PROJECT MANUAL
VOLUME 1 OF 3

Additions and Renovations to
Eli Whitney, Connecticut Technical High School

Hamden, Connecticut

Project No.: BI-RT-837 – CMR

State Of Connecticut
Department Of Construction Services
Bureau of Design and Construction
Donald J. DeFronzo – Acting Commissioner

Prepared By:
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June 18, 2012
CMR—Bid Documents Submission

Additions and Renovations to
Eli Whitney, Connecticut Technical High School

Existing Address:
71 Jones Road
Hamden, Connecticut 06046

New Address:
"XX" Fairview Avenue
Hamden, CT 06046

Project No.: BI-RT-837 –CMR

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REFER TO THE SEPARATE VOLUME OF DOCUMENTS ISSUED BY THE CMR (FUSCO CORPORATION) DETAILING THE PROJECT'S PROCUREMENT AND CONTRACTING REQUIREMENTS

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Test Pit Logs

LOBDELL CONSULTANTS, P.C.
Geotechnical / Civil Engineering

February 4, 2008

Antinuzzi Associates
271 Fairfield Avenue
Bridgeport, CT 06604

Attn: David C. Ferris

Re: Test Pits
Eli Whitney CTHSS
Hamden, CT
Project 02-08

Gentlemen:

Enclosed are the logs of test pits that you requested be dug at the subject locations. These pits were dug with an excavator retained by us and were logged by our engineer. The locations of the test pits are also attached.

Please call us if we can be of further service.

Very truly yours,

Herbert L. Lobdell

Herbert L. Lobdell, P.E.

HLL/clp

RECEIVED
FEB 0 6 2007
ANTINOZZI ASSOC., P.C.
ARCHITECTS

P. O. Box 110656
Trumbull, CT 06611
Ph: (203) 261-3800
Fax: (203) 261-8200

1-22-08

Test Pit Logs

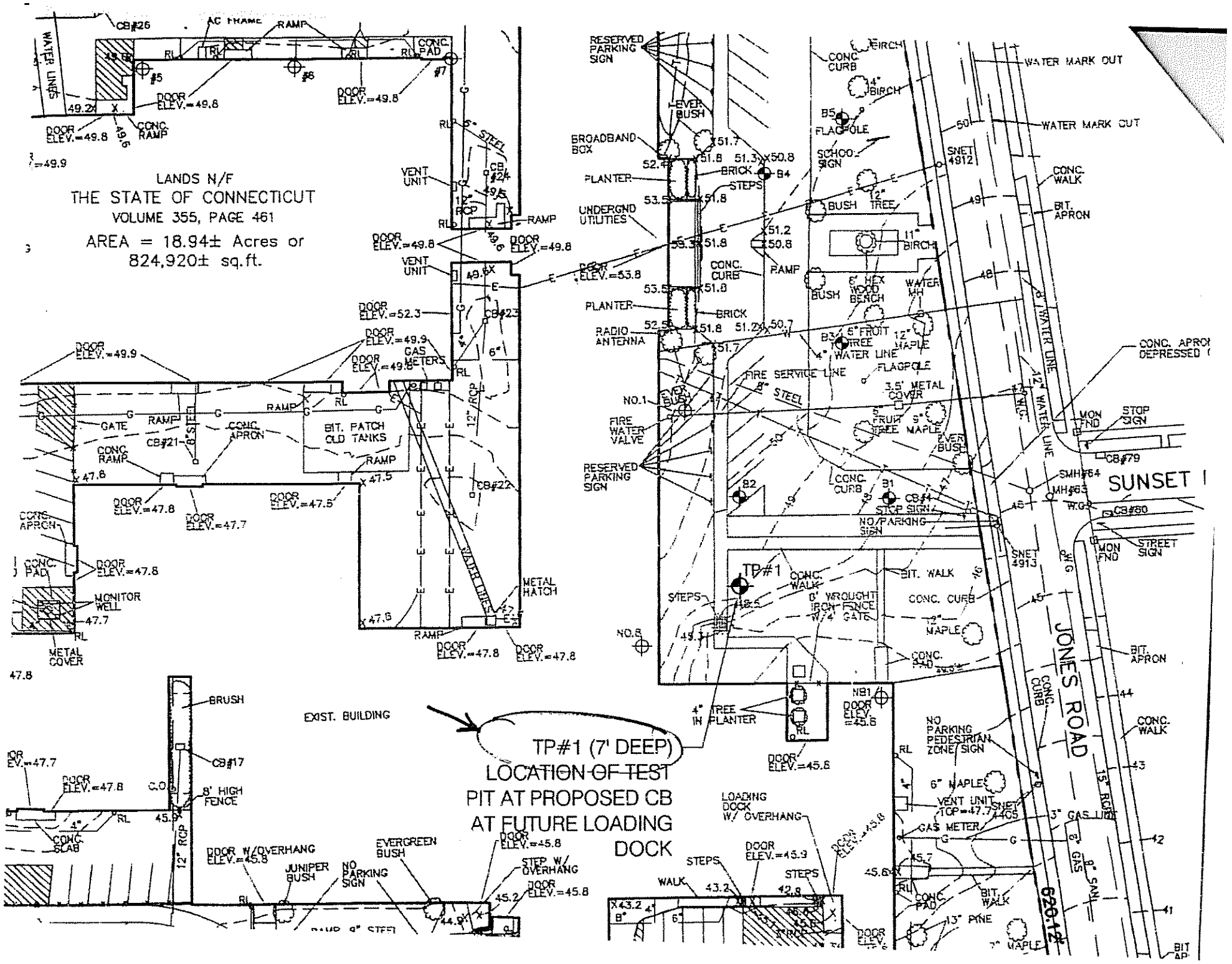
Test Pit 1

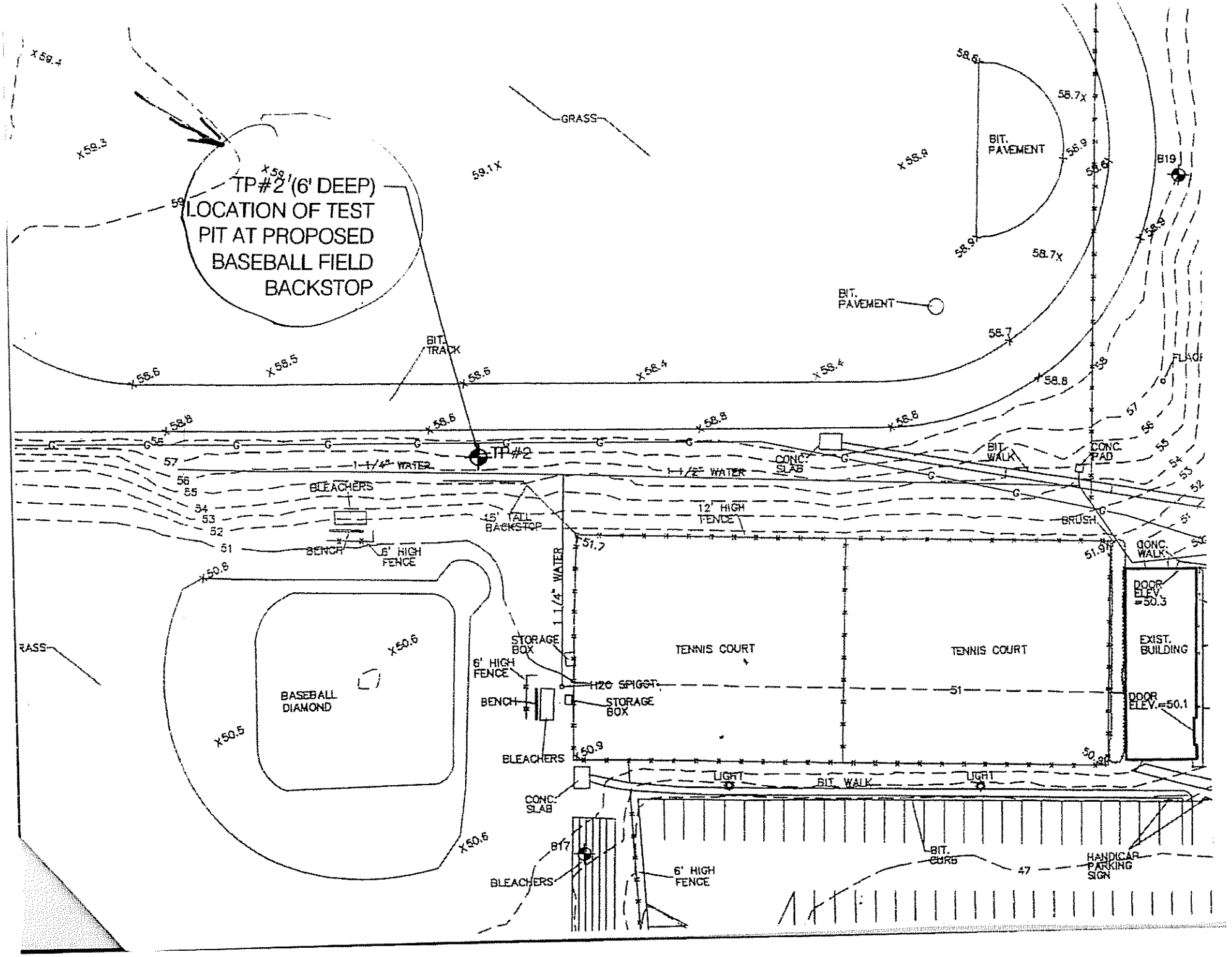
0 - 4"		Topsoil (frozen)
4" - 8"		Red Brown silty fine sand (frozen)
8" - 7'		Red brown layered medium to fine sand

Test Pit 2

0 - 6"		Topsoil (frozen)
6" - 6'		Red brown medium to fine sand, trace gravel, trace silt
		Note: PVC pipe at 4' on uphill side of pit

Note: No contaminates observed


LANDS N/F
THE STATE OF CONNECTICUT
VOLUME 355, PAGE 461
AREA = 18.94± Acres or
824,920± sq.ft.
TP#1 (7' DEEP)
LOCATION OF TEST
PIT AT PROPOSED CB
AT FUTURE LOADING
DOCK
EXIST. BUILDING
JONES ROAD
SUNSET
BIT. PATCH
OLD TANKS
GAS METERS
FIRE SERVICE LINE
WATER LINE
WATER MARK OUT
LOADING
DOCK
W/ OVERHANG
NO
PARKING
PEDESTRIAN
ZONE SIGN
RESERVED
PARKING
SIGN
BROADBAND
BOX
UNDERGND
UTILITIES
FIRE
WATER
VALVE
RADIO
ANTENNA
METAL
HATCH
MONITOR
WELL
METAL
COVER
CONC.
RAMP
CONC.
APRON
CONC.
PAD
CONC.
WALK
CONC.
CURB
BIT.
APRON
BIT.
WALK
STOP
SIGN
STREET
SIGN
NO PARKING
SIGN
FLAGPOLE
SCHOOL
SIGN
VENT
UNIT
DOOR
ELEV.=49.8
DOOR
ELEV.=47.8
DOOR
ELEV.=45.8
DOOR
ELEV.=52.3
DOOR
ELEV.=53.8
DOOR
ELEV.=49.9
DOOR
ELEV.=47.5
DOOR
ELEV.=47.7
DOOR
ELEV.=45.9
DOOR W/OVERHANG
ELEV.=45.8
JUNIPER
BUSH
EVERGREEN
BUSH
STEP W/
OVERHANG
BRUSH
8' HIGH
FENCE
CB#17
CB#21
CB#22
CB#23
CB#24
CB#26
CB#79
CB#80
SMH#64
MH#63
SNET
4912
SNET
4913
SNET
4405
VENT UNIT
TOP=47.7
GAS METER
3" GAS LINE
6" GAS
8" SAN
13" PINE
7" MAPLE
6" MAPLE
4" TREE
IN PLANTER
NO.1
NO.8
NB1
B1
B2
B3
B4
B5
TP#1
620-12


TP#2 (6' DEEP)
LOCATION OF TEST
PIT AT PROPOSED
BASEBALL FIELD
BACKSTOP
GRASS
BIT. PAVEMENT
BIT. PAVEMENT
B19
BIT. TRACK
TP#2
1-1/4" WATER
1-1/2" WATER
CONC. SLAB
BIT. WALK
CONC. PAD
BLEACHERS
15' TALL BACKSTOP
12' HIGH FENCE
BRUSH
BENCH
6' HIGH FENCE
CONC. WALK
DOOR ELEV. =50.3
EXIST. BUILDING
DOOR ELEV.=50.1
1-1/4" WATER
STORAGE BOX
6' HIGH FENCE
H2O SPIGOT
BENCH
STORAGE BOX
TENNIS COURT
TENNIS COURT
BASEBALL DIAMOND
BLEACHERS
LIGHT
BIT. WALK
LIGHT
CONC. SLAB
B17
BLEACHERS
6' HIGH FENCE
BIT. CURB
HANDICAP PARKING SIGN

00 31 24
Environmental Site Assessment – Phase 1

7 Island Dock Road
Haddam, CT 06438
860-345-4578
Fax: 860-345-3854
WWW.ECSCONSULT.COM

PHASE I ENVIRONMENTAL SITE ASSESSMENT

71 Jones Road
Hamden, Connecticut

Prepared For:

State of Connecticut
Department of Public Works.
165 Capitol Avenue
Hartford, Connecticut

Prepared By:

Environmental Compliance Services, Inc.
7 Island Dock Road
Haddam, Connecticut

May 6, 2005

Project Number: 07-203581.00

SIGNATURE PAGE

This report has been prepared by the employee(s) of Environmental Compliance Services, Inc. (ECS) listed below. Questions or comments on the contents of this report should be directed to the individuals listed below.

Karl R. Wikstrom
Environmental Scientist

David T. Williams, CPG, RS
Registered Soil Scientist
Project Manager

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1.0 INTRODUCTION

Environmental Compliance Services, Inc. (ECS) performed a Phase I Environmental Site Assessment (ESA) of the ELI Whitney Technical School, located at 71 Jones Road, in Hamden, Connecticut, herein referred to as "the site" (Figure 1). This ESA was performed at the request of the State of Connecticut Department of Public Works (DPW). Karl Wikstrom inspected the site on March 24, 2005 and is the primary author of this report.

The purpose of ECS's investigation was to identify and record existing, potential or suspected conditions that may impose an environmental liability to, or restrict the use of the site[1], and to identify evidence of releases or potential releases of oil and hazardous materials, which could be considered Areas of concern (AOCs). This assessment was performed in accordance with American Society for Testing and Materials Standard E1527-00 (*Standard Practice for Environmental Assessments: Phase I Assessment Process*) and the *Connecticut Transfer Act Site Assessment (TASA) Guidance Document*. This report documents ECS's assessment and provides our findings, conclusions and recommendations.

The scope of this assessment included:

- visually inspecting site structures (interior and exterior) and surrounding areas of the site;
- reviewing previous environmental reports;
- reviewing municipal records (Hamden Building Department, Tax Assessor, Town Clerk, Engineering Department and Fire Marshal);
- searching environmental databases, including state and federal records;
- reviewing publicly available historical information, including historical Hamden directories and Sanborn Fire Insurance Maps;
- reviewing published or publicly available geographic and geological reference sources (i.e. soil surveys, bedrock maps, flood plain maps, topographic maps, and aerial photographs).
- ECS reviewed CTDEP tank registration records for the site.

No waste, building material, paint, soil, groundwater, and/or air samples were collected or tested as part of this assessment. No asbestos or lead-based paint testing was performed. This report was prepared for the exclusive use of the DPW. It is not to be used or relied upon by any other parties without the written authorization of Environmental Compliance Services, Inc.

[1] This includes identifying "Recognized Environmental Conditions", as defined in ASTM E1527-00. This term will be used to mean the presence or likely presence of any hazardous substance or petroleum product on the site under conditions that indicate an existing release, a past release or a material threat of a release into structures on the site or into the ground, groundwater or surface water.

2.0 PREVIOUS REPORTS

ECS reviewed the following previous investigations and/or records pertaining to the site.

- *Tank System Tests, March 24, 1993, Eli Whitney Tech. School, 71 Jones Road, Hamden, Connecticut,* Enviroshield, dated March 30, 1993
- *Statewide Underground Storage Tank Program, DPW Project #: BI-2B-760-A419 Eli Whitney RVTS, Hamden,* Fuss & O'Neill, Inc., dated January 14, 2000

Copies of these reports are provided in Appendix A.

1993 Enviroshield Tank System Tests

Enviroshield tested the 550-gallon waste oil and 15,000-gallon fuel oil underground tank systems on March 24, 1993. The report indicated that the two tank systems were within National Fire Protection criteria for tight tank systems for net volume change of contents. No indication of significant leaks was determined.

2000 Fuss &O'Neill Underground Storage Tank Report

This report summarizes the removal of a 15,000-gallon heating oil (#2 fuel oil) underground storage tank on-site. The tank was removed on November 19, 1999. The tank was reportedly in good condition upon removal. Nine post-excavation soil samples were collected from the tank grave and analyzed for extractable total petroleum hydrocarbons (ETPH) and volatile organic compounds (VOCs). Low levels of ETPH were reported in post-excavation soil samples ranging from 3.1 to 350 mg/kg indicated that remediation was not warranted. All ETPH levels were below the state remediation standards suggesting the UST had not leaked. No VOCs were reported in the samples.

3.0 CURRENT SITE CHARACTERISTICS

3.1 SITE OWNERSHIP AND LOCATION:

Site Owner:	State of Connecticut
Site Occupant:	Eli Whitney Technical High School
Date of Ownership:	March 1, 1955
Site Location:	71 Jones Road Hamden, Connecticut
Zoning:	Residential
County:	New Haven
USGS Quadrangle:	New Haven, CT 7.5 minute series
Latitude:	W 72°56'30"
Longitude:	N 41°20'35"

3.2 SITE DESCRIPTION AND OPERATIONS

The site is an 18.84-acre parcel occupied by the Eli Whitney Technical High School (Whitney Tech). A 175,297-square-foot vocational high school (main building) occupies the northern portion of the site. Two storage sheds are located south of the main building. The southern portion of the site consists of athletic fields.

The main building consists mostly of classrooms and offices. In addition to traditional classrooms, Whitney Tech has the following technical training spaces (Figure 2 and 2A - Site Plans):

Art Room	Fashion Design Studio
Auto Body Shop	Graphic Design Studio
Automotive Service Bays	Hairdresser/Barber Shop
Carpentry Shop	Machine Shop
Dental Technician Laboratory	Plumbing Work Shop
Drafting Workstations	Surgical Technician Work Shop
Electronics Work Shops	Welding Work Shops

Art Room – The art room is also a standard classroom. However, according to the facility manager, the sink discharges to a point outside the room. ECS was unable to determine the discharge point or whether the discharge is connected to the municipal sewer system. Since some of the paints used previously on-site may have contained potentially hazardous materials, this discharge area would be considered a potential environmental concern.

Auto Body and Welding Work Shops – The auto body and welding shops are currently inactive for approximately the last three years. A paint booth was located in the southern portion of the auto body shop. A trench drain was also located in the auto body shop, which is stated to discharge to the sanitary sewer. Several arc welding machines were observed in the welding work shop. Both areas are currently used for limited storage of used equipment. Gasoline for landscaping equipment is stored in the auto body shop. No other potentially hazardous materials were observed in these areas. No evidence of leaks

or spillage was observed in this area.

Automotive Service Bay – The automotive service bay has three automobile lifts. The lifts are located above ground. A trench drain is centrally located in the bay. This trench drain discharges to an oil/water separator located beneath the service bay and subsequently dischargers to the sanitary sewer. Minor spills associated with automobile repair were observed in this area.

Carpentry Shop – The carpentry shop has several work benches and three metal lockers used to store hazardous materials. One to ten gallon containers of paint, stain, lacquer and cleaning solvents are located within these lockers. No evidence of spillage or leaks from these containers was observed.

Dental Technician Laboratory – The dental technician laboratory contains numerous small containers of chemicals used for dentistry processes. These chemicals are stored at a workstation and in a closet. Mercury is stated to be one of the chemicals used in this area. Silver, also is a common metal used in dental processes. No mercury was observed in this area. No evidence of leaks or spillage was observed in this area.

Drafting Workstation, Fashion Design Work Shop and Surgical Technician Work Shop – These shops were essential standard classroom facilities. No potential environmental concerns were associated with these areas.

Electronics Work Shops – The only mechanical operations (splicing, connecting, soldering, and simple wiring) are currently performed in this shop. No solvents or etching solutions are currently used in this work shop. According to the facility manager, etching was previous performed on-site. This operation was conducted in the vicinity of a vent hood still located in the northeast corner of the Electronic Work Shops. No further information was available on the exact method used in the etching operation. No evidence of leaks or spillage was observed in this area.

Graphic Design Studio - Several printers and a dark room are located within the Graphic Design Studio. The only wastes currently generated in this area are small amounts of developing and fixing solution in the dark room. Previously larger printing operation was conducted in this area. The exact nature of this operation could be determined. No evidence of leaks or spillage was observed in this area.

Hairdresser/Barber Shop – The hairdresser/barber shop is also a standard classroom with several hair dryers. Chemicals for hair treatment are stored in this area to include acetone. No other concerns were identified with this area. No evidence of leaks or spillage was observed in this area.

Machine Shop – The machine shop operation includes milling, drilling and turning machines. All cutting and lubricating oils are contained within the machines not significant waste oil is accumulated. Any waste oil which is accumulated is used to replenish the machines. Some minor spillage was observed underneath the machines. All spills observed were contained with speedi-dry. Metal shavings are recycled off-site. Metal parts are washed using a non-hazardous cleanser in the main building. Parts washer wastewater from this operation is disposed to the sanitary sewer.

Plumbing Work Shop - Several vent hoods are located within the Plumbing Work Shop. Soldering, welding and cementing of PVC parts are performed in this area. Acetylene, cleaning solvents, PVC primer and glue are stored in this space. A limited amount of waste is generated from these operations.

3.3 SITE UTILITIES

The site is served by a public water supply and sanitary sewer. The site has been connected to these public utilities since its development in 1955. The building is heated with natural gas. Prior to 2000, the building was heated with fuel oil.

A copy of the Tax Assessor's property card and map is provided as Appendix B.

3.4 SITE RECONNAISSANCE

ECS inspected the site on March 24, 2004. ECS was accompanied by Darrel Williams, facility manager for Whitney Tech. ECS was granted access to the entire site. Observations were previously discussed in Section 3.1. Site photographs are included as Appendix C.

3.5 STORAGE TANKS

A 500-gallon underground waste oil tank is currently in use at the site. The vent and fill pipes for this tank was observed outside the Automotive Service Bays.

According to CTDEP records, four additional underground storage tanks are registered for the site. These tanks included a 10,000-gallon gasoline, a 2,000-gallon heating oil, and two 1,000-gallon heating oil tanks. Only the gasoline tank was registered as currently in-use. According to the site occupant, none of these tanks are or have been located on-site.

No other aboveground tanks or evidence of underground tanks were observed on-site. The records reviewed are included in Appendix A.

3.6 ASBESTOS-CONTAINING MATERIALS AND LEAD-BASED PAINT

Based on the dates of construction (1955), building materials would be expected to contain asbestos. Potentially asbestos-containing materials (ACM) were observed in floor tiles and wall boards throughout the main building. A comprehensive asbestos survey would be necessary to fully assess the actual asbestos content in building materials on-site. It is our understanding that Delta Environmental has developed an Asbestos Mitigation Plan for the site.

Connecticut Lead-based Paint Regulations generally apply to residential units occupied by children under the age of six years of age. There are no residential units on-site. Based on the dates of construction (1955), it is likely that lead-based paint is present on-site. No lead-based paint testing was conducted as part of this assessment.

3.7 POLYCHLORINATED BIPHENYLS

Three pad-mounted, utility-owned transformers are located north of the building. The transformers were in good condition. No evidence of leaks or staining was observed. No other potentially PCB-containing equipment was observed on-site.

3.8 WETLANDS

No wetlands have been delineated on-site according to the *Town of Hamden Zoning Map and Designated Inland Wetlands and Watercourses Map*. No wetland vegetation was observed on-site.

3.9 SITE HYDROLOGY AND GEOLOGY

3.9.1 Surface Water Characteristics

The site is located at an elevation of approximately 65 feet above mean sea level. The closest surface water to the site is Beaver Ponds, located approximately 100 feet to the south. The CTDEP has classified Beaver Ponds as "B/A" (CT DEP, 2002). "B/A" surface water is assumed to be degraded and does not meet its designated uses due to pollution. The intended uses for this surface water include as a potential drinking water source and fish and wildlife habitat.

Based on Federal Emergency Management Agency *Flood Insurance Rate Maps*, the site is located outside the 500 year flood plain.

3.9.2 Groundwater Characteristics

The regional topography is sloped from north to south. Based on the regional topography, groundwater is assumed to flow in a southerly direction. The depth to groundwater is unknown. The CTDEP has classified the groundwater in the area of the site as "GB". "GB" groundwater is assumed to be degraded due to a variety of pollution sources (CT DEP, 1996). GB groundwater standards will apply to the site. The site and surrounding area are served by a public drinking water supply.

3.9.3 Geological Characteristics

The *Soil Survey for Hartford County Connecticut* (USDA, SCS, 1962), classifies the on-site soil "Udorthents". Udorthents consists of well drained to excessively well drained soils.

According to the *Bedrock Geologic Map of Connecticut* (John Rodgers, 1985), bedrock beneath the site is characterized as New Haven Arkose. New Haven Arkose is characterized as a reddish, poorly sorted arkose.

4.0 CURRENT AREA CHARACTERISTICS

The site is located in an industrial/commercial area.

4.1 ABUTTING PROPERTIES

The following properties abut the site:

to the north:	by Jones Road, across which are residential properties,
to the east:	by Fairview Avenue, across which are residential properties,
to the south:	by condos and Arch Street, across which is Tilcon Hamden Plant, and
to the west:	by St. Ann's Parish Center.

4.2 AREA UTILITIES

Public water supply and municipal sanitary sewers are available to the site and surrounding area.

5.0 SITE AND SURROUNDING AREA HISTORY

ECS researched municipal records, historic topographic maps from the USGS, and historic city directories to determine historic site use and area history. ECS reviewed Hartford Suburban directories for Hamden at the Connecticut State Library for the years 1920 until 2003 at five year increments. ECS reviewed historic topographic maps for the years 1892, 1914, 1947 and 1954.

5.1 SITE HISTORY

The site has been occupied by a vocational high school since its development in 1955. Prior to development as a high school, the site was undeveloped, wooded land. According to Hamden Land Records, the site was owned by a local developer.

ECS review the 1967 Sanborn Fire Insurance Company map for Hamden. Only the northern and western portions (Wings A and C) of the current building are shown. No coverage of the site was available on the other Sanborn maps available for Hamden.

5.2 SURROUNDING AREA HISTORY

The area has been occupied by predominantly residential since major development in the 1950s. The area was undeveloped wooded land according to our review of historic maps. Minor residential development also occurred in the area in the late 1800s along Pine Rock Avenue.

6.0 REGULATORY INFORMATION

ECS obtained a commercial environmental database search from FirstSearch Technology Corporation (FSTC). The search distances are consistent with those specified in ASTM Phase I assessment guidelines. A copy of the FirstSearch report is provided as Appendix D. The following databases were searched:

- USEPA *National Priorities List* (NPL), 40 CFR 300; Search distance = 1.0 miles
- USEPA *Comprehensive Environmental Response, Compensation and Liability Information System* (CERCLIS); Search distance = 0.5 miles
- USEPA *Resource Conservation and Recovery Act Notifiers List* (RCRA Notifiers); Search distances = 1.0 miles for Treatment, Storage and Disposal Facilities (TSDF), 1.0 miles for CORRACTS sites and 0.125 miles for generators
- CTDEP *Hazardous Waste Sites in Connecticut with Recommendations for Continuing Action* (Connecticut Inventory); Search distance = 1.0 miles[2]
- CTDEP *Active Solid Waste/Landfill Facilities* (Landfills); Search distance = 0.5 miles
- CTDEP *Leaking Underground Storage Tank List* (LUST); Search distance = 0.5 miles
- CTDEP Underground Storage Tank registration list (UST); Search distance = 0.125 miles
- CTDEP Reported Spills (1990s); Search distance = 0.125 miles

6.1 RECORDS PERTAINING TO THE SITE

Five records pertaining to the site were found. The site is listed as a small quantity hazardous waste generator (SQG). Six underground tanks have been registered on-site. The site is not listed on the Connecticut Hazardous Waste Site Inventory, CERCLIS, NPL, ERNS, SWL, TSDF, CORRACTS, and/or NLR databases. No previous Transfer Act certifications have been filed for the site. Two spills have been reported to the CTDEP on-site.

- On October 18, 2001, unknown white powder in a letter was identified.
- On September 16, 2003, mercury from a broken thermometer was spilled. Clean Harbors was contracted to remove the mercury.

According to the records found, the site listed as a small quantity (100-1,000 kilograms per month) hazardous waste generator. The wastes listed on this record include ignitable waste, cadmium, benzene, tetrachloroethene and lead.

[2] This database is a "State CERCLIS Equivalent" as defined by ASTM E 1527-00. Connecticut does not have a "State NPL Equivalent" list. Therefore, this database was searched at a radius of 0.5 miles.

According to the FirstSearch report, six underground storage tanks are registered on-site. These tanks included two 15,000-gallon heating oil, a 2,000-gallon heating oil, a 250-gallon gasoline, and two 550-gallon waste oil tanks. Only one of the 550-gallon waste oil (cathodically protected steel) tanks was registered as currently in-use and was installed in 1993.

One 15,000-gallon heating oil (steel), the other 550-gallon waste oil (steel), the 2,000 heating oil (steel), and the 250-gallon gasoline (steel) tanks were removed in 1993. The 15,000-gallon heating oil tank (fiberglass reinforced plastic) which replaced the one removed in 1993 was subsequently removed in 1999.

6.2 RECORDS PERTAINING TO NEARBY PROPERTIES

ECS reviewed the databases identified in Section 6.1 for records pertaining to off-site facilities within the specified search distances. These records are summarized below.

DATABASE	RECORDS WITHIN SEARCH DISTANCES	DISTANCE TO NEAREST RECORD
NPL	0	N/A
CERCLIS	0	N/A
NFRAP	0	N/A
RCRA TSD	0	N/A
RCRA COR	0	N/A
RCRA Generators	1	On-site
ERNS	1	1500 feet NE
State Hazardous Waste Sites	1	1500 feet NE
State Spills	7	On-site
SWL Facilities	0	N/A
Registered USTs	2	On-site
Leaking Underground Tanks	8	800 feet NE

Fifteen records were identified for off-site properties within the search distances. Based on the information provided, the distance from the site, and assumed groundwater flow direction, releases at all of the off-site reported locations are not expected to represent recognized environmental conditions with respect to the site.

7.0 CONCLUSIONS AND RECOMMENDATIONS

ECS has completed a Phase I ESA of ELI Whitney Technical School property, located at 71 Jones Road, Hamden, Connecticut.

The site was first developed in 1955 as a vocational high school. It has been occupied by a high school since that time. The site is listed as a small quantity generator (SQG). Wastes reportedly generated on-site include: petroleum naphtha, corrosive, paint related materials, oxidizers, cyanides, mercury, aerosols, acids, bases, toxic liquids ignitable waste, cadmium, benzene, tetrachloroethene and lead. Two spill reports were reviewed for the site; one indicated the presence of an unknown white powder and the other indicated that mercury from a thermometer was released and cleaned up. With the exception of the two cases discussed above, no reports or documents were reviewed that indicate an on-site release had occurred and that site soils and/or ground water had been contaminated. ECS identified the following recognized environmental conditions which are considered AOCs for the site:

- art room sink discharge
- former auto body and welding operations; paint booth and trench drain
- automobile service operations; trench drain and oil/water separator
- carpentry shop; current and former carpentry operations; hazardous materials storage areas
- dental laboratory operations; chemical storage and handling
- electronic work shop; former etching operations
- graphic design studio; current and former printing and developing operations
- machine shop operations; waste oil, metals
- plumbing repair operations
- two former 15,000-gallon underground fuel oil storage tanks
- former 2,000-gallon underground fuel oil tank
- former 550-gallon underground waste oil tank
- former 250-gallon gasoline storage tank

If proposed site development includes intrusive, subsurface activities (construction of foundations, utilities and drainage) within or adjacent to any of the AOCs listed in this report, ECS recommends characterizing the subsurface material (soil and ground water) that will be encountered and/or disturbed during construction. ECS recommends characterizing the subsurface material in these AOCs before design drawings are finalized. This will assist in determining if the material is considered controlled, requiring special handling and/or disposal. Soil and ground water characterization could be coordinated with any future geotechnical investigations to minimize contractor costs.

Information obtained during characterization would be used to establish properly waste management and disposal protocols during construction and would assist in the development of a health and safety plan (HASP) to protect construction workers and the public.

ECS also recommends developing a hazardous materials management plan, incorporating existing and proposed best management plans (BMPs) to evaluate current site storage and handling of wastes.

8.0 LIMITATIONS

The work described in this report was performed in accordance with the scope and Terms and Conditions of our contract to perform these services. It is subject to the limitations described in the report narrative and the limitations described below. This report was completed by Environmental Compliance Services, Inc. (ECS) for the sole use of State of Connecticut Department of Public Work and their assignees in connection with assessment of on-site environmental conditions. Use of the report by any other person for any other purpose is not authorized except with the prior written consent of ECS.

The services provided by ECS to assess environmental conditions on the subject property were performed in a manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing in the same locality under the same conditions at the time the work was performed. No other representation, express or implied, and no warranty or guarantee is included in this agreement or in any report, opinion, document, or other instrument of service. Absolute assurance that any and all possible contamination at the site was identified cannot be provided.

1. The scope of work conducted did not include a facility compliance audit with respect to local, state, or federal laws and regulations.
2. Where visual observations are included in the report, they represent conditions at the time of the inspection and may not be indicative of past or future site conditions.
3. Our observations are based on an inspection of areas to which access was provided. ECS makes no representations on the presence of potentially hazardous materials or recognized environmental conditions in areas that were inaccessible or hidden at the time of our inspection.
4. The report conclusions are based, in part, on information including files provided by the client, their agents, property owners or third parties, including state or local officials and agencies. You have authorized ECS to rely upon this information in conducting this investigation, and ECS assumes no responsibility for that data. ECS did not independently verify information provided by others and assumes no responsibility for the accuracy and completeness of this information.
5. The scope of work completed for Phase I assessments typically does not include the sampling and chemical testing of sediment, septic liquid or sludge, asbestos containing building materials (ACBMs), surface water, ground water, soil, polychlorinated biphenyl (PCB) containing fluids, radon, mold or lead-based paint unless specifically set forth in our scope of work.
6. Title search information, where provided, is intended to provide historical information related to possible occupants or use of the property only.
7. Information reviewed is limited to what is publicly available or provided to us by others at the time of our investigation. Access to public information is often managed by public employees and is not directly accessible by ECS staff. ECS is not responsible for information from the public record that could not be located or has not been provided. Review of historical information is limited to information that is reasonably ascertainable.
8. This report contains recommendations which are partially based on the analysis of data accumulated at the time and place set forth in the report through subsurface exploration. Further investigations may reveal additional data or variations of the current data which may require reassessment of the conclusions and recommendations provided here.
9. Our conclusions and recommendations are based on the information available to us at the time of this investigation and are based on the conditions observed at the time of our inspection. Discovery of information not available to us at the time of our investigation could affect our conclusions and recommendations.
10. The client and the site owner may be subject to the reporting of certain significant environmental hazards pursuant to Public Act 98-134 ("the Act"). ECS employees who are acting as a Technical

Environmental Professional as defined by the Act, will notify both the client and the property owner, as appropriate, as to the presence of certain significant environmental hazards defined by the Act. The Act may require compliance and reporting to certain government officials by the client or the property owner. In the event of notification by ECS of a certain significant environmental hazards as defined in the Act, ECS advises client and/or property owner to consult with counsel concerning their obligations under the Act

9.0 REFERENCES

9.1 RESOURCES CONSULTED

1 Bedrock Geological Map of Connecticut-John Rodger, 1985

2. Connecticut Department of Environmental Protection, Water Quality Standards, 1996, 2002

3. *Connecticut Transfer Act*, CTDEP, July 11, 2001

4. Federal Emergency Management Agency *Flood Insurance Rate Maps*;

5. FirstSearch™ Technology Corporation, Environmental FirstSearch Report;

6. Soil Conservation Service, U.S. Department of Agriculture, *Soil Survey of New Haven County, Connecticut*

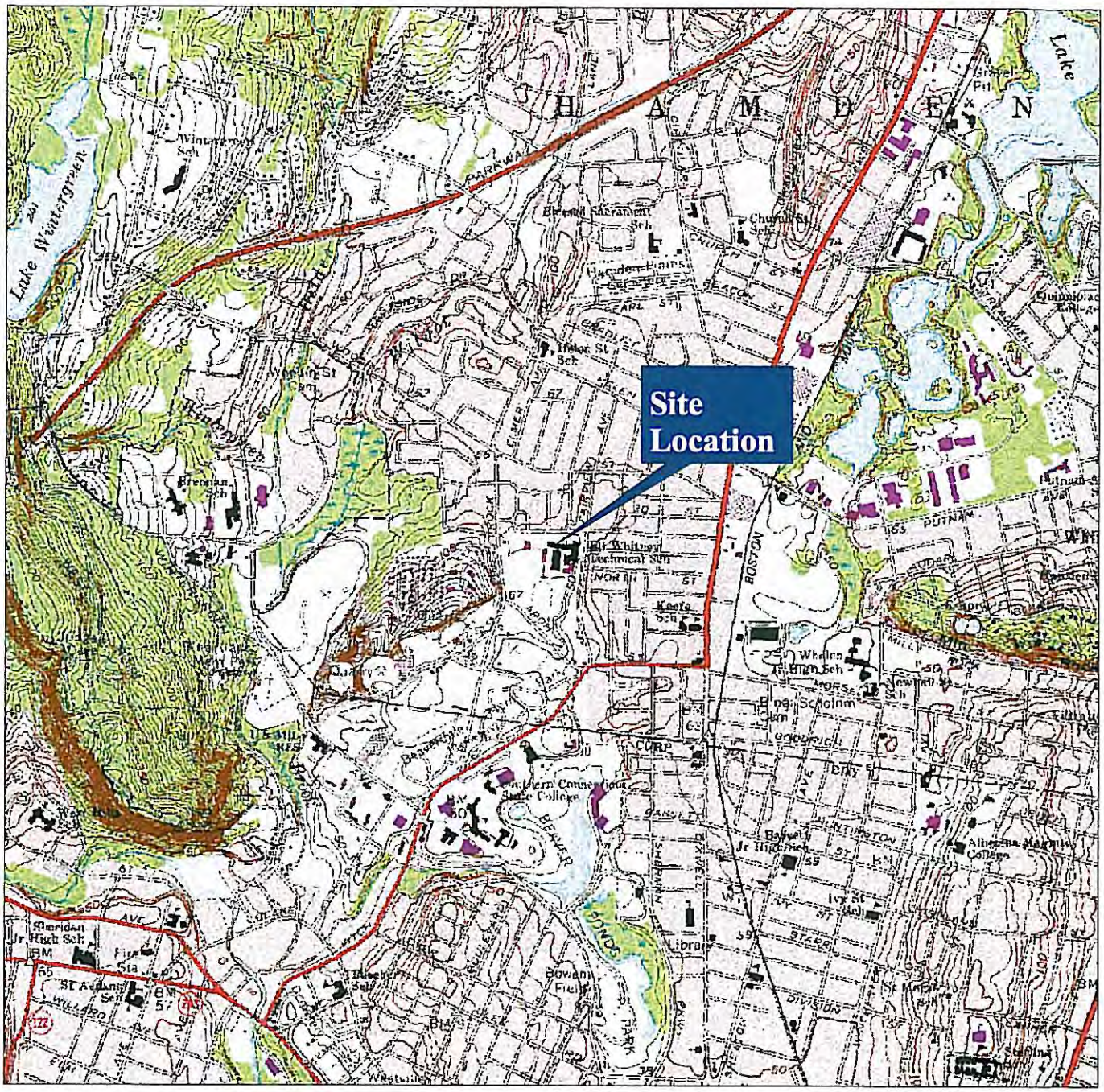
7. 1990 Aerial Photograph, CT GIS

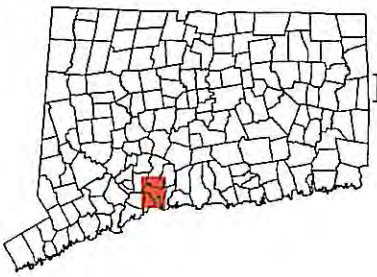
8. USGS *New Haven, Connecticut Topographic Quadrangle*, 7.5-minute series; photo revised 1982

9.2 AGENCIES CONTACTED

Hamden Assessor's Office
Hamden Fire Marshal
Hamden Tax Assessor's Office
Hamden Building Department
Hamden Engineering Department
Connecticut State Library
CTDEP Public File Room

FIGURES





Site Location Map

Figure 1

Eli Whitney Regional Technical School
71 Jones Road
Hamden, CT 06514

1000 0 1000 Feet

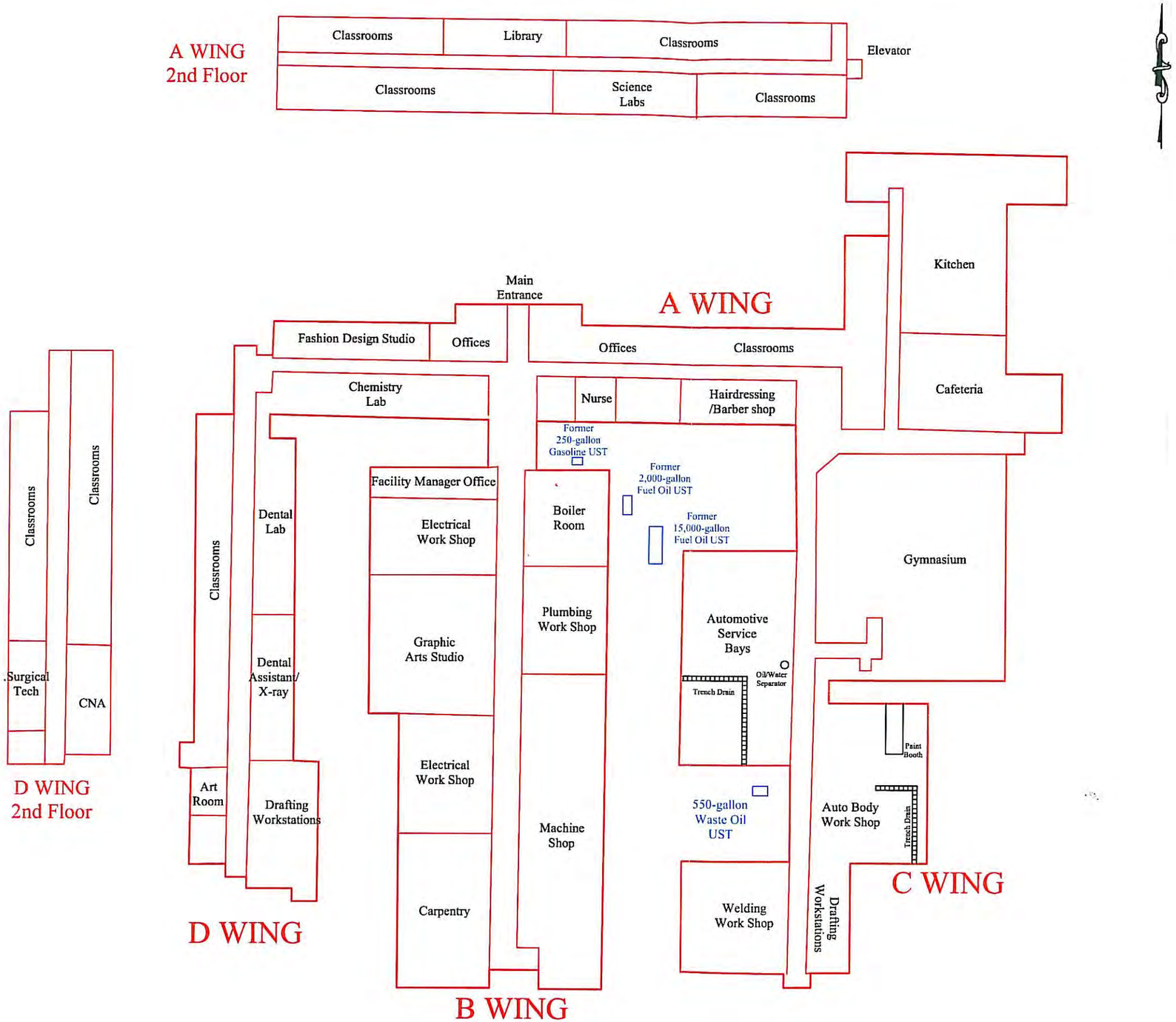
1 in. = 2000 ft.

N
W E
S

07-203581.00
03/21/05

Map taken from the USGS 7.5 Minute New Haven Quadrangle, 1985. (Photorevised 1982)

ecs



Legend

Building Footprint

Underground Tanks

General Notes:

All locations, dimensions, and property lines depicted on this plan are approximate. This plan should not be used for construction or land conveyance purposes.

Horizontal, and vertical locations of wells, and selected site features determined through measurements made by representatives of ECS.

ecs
7 Island Dock Road • Haddam, CT 06438
Phone: 860-345-4578 Fax: 860-345-3554

PROJECT:
Eli Whitney Technical School
71 Jones Road
Hamden, CT

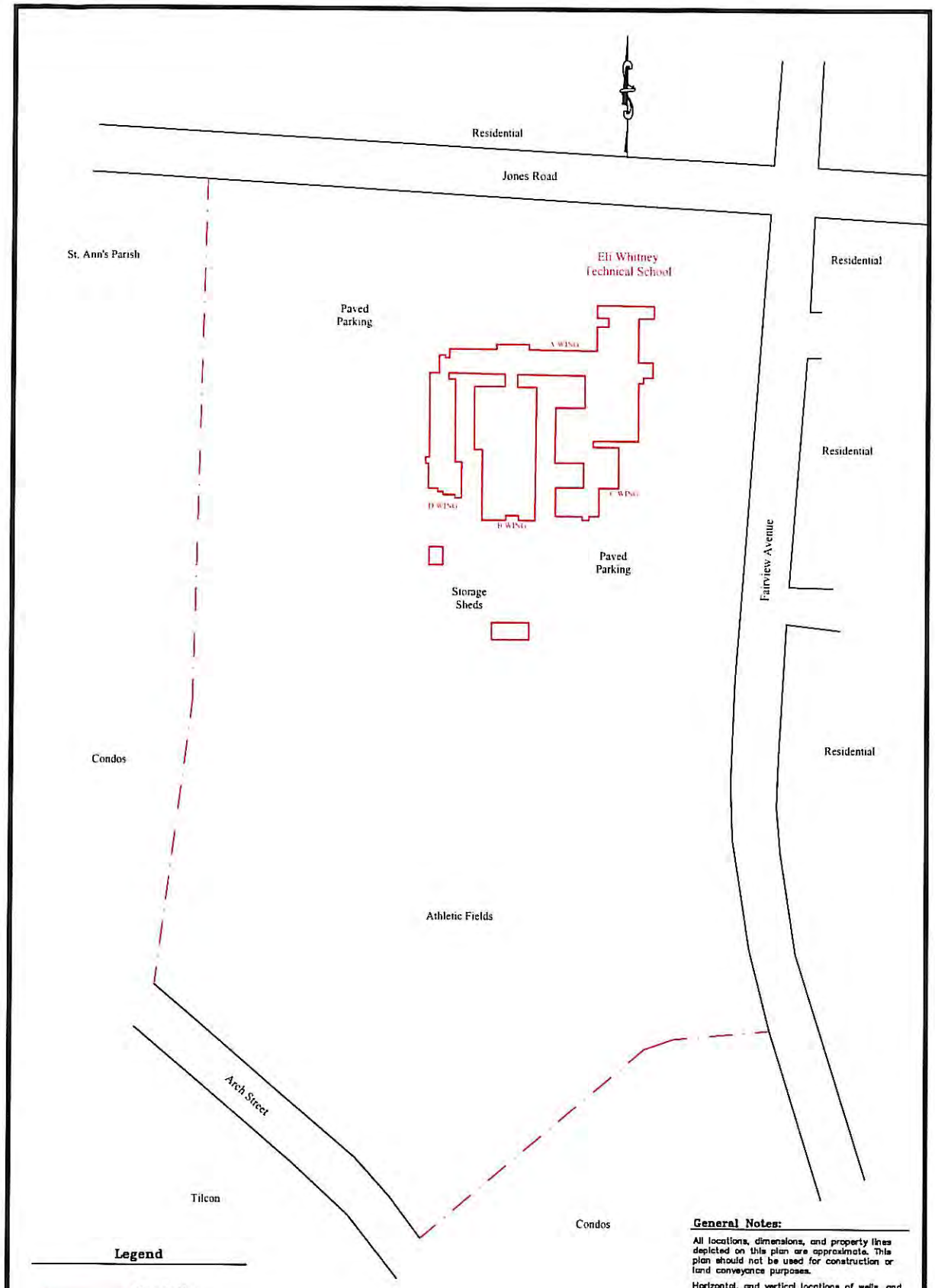
TITLE:
SITE PLAN

CLIENT:
Department of Public Works

GRAPHIC SCALE: 0

COMPUTER CADFILE: 203581.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
KW	KW	DW	DW
SCALE:	DATE:	JOB NO.:	FIGURE NO.:
N.T.S.	04/01/05	07-203581	2



General Notes:

All locations, dimensions, and property lines depicted on this plan are approximate. This plan should not be used for construction or land conveyance purposes.

Horizontal, and vertical locations of wells, and selected site features determined through measurements made by representatives of ECS.

ecs
7 Island Dock Road • Haddam, CT 06438
Phone: 860-345-4576 Fax: 860-345-3054

CLIENT: Department of Public Works

GRAPHIC SCALE: 0

PROJECT: Eli Whitney Technical School
71 Jones Road
Hamden, CT

TITLE: SITE PLAN

COMPUTER CADFILE: 2C0581.dwg

DRAWN BY:	DESIGNED BY:	CHECKED BY:	APPROVED BY:
KW	KW	DW	DW
SCALE:	DATE:	JOB NO.:	FIGURE NO.:
N.T.S.	04/01/05	00000.00	2A

APPENDIX A

STATE AND MUNICPAL RECORDS, PREVIOUS REPORTS

ENVIRO SHIELD INC.

Clean, Preserve...Prote
Environmental Specialist

March 30, 1993

COPY

Mr. Frank Ruocco
Earth Technologies, Inc.
2475 Whitney Avenue
Hamden, CT 06518

Re: Tank System Tests, March 24, 1993
Eli Whitney Tech. School
71 Jones Road
Hamden, Connecticut

Dear Mr. Ruocco:

The tank systems tested at the aforementioned location in Hamden, CT are identified as follows:

Tank System #1	550 gallon Waste Oil
Tank System #2	15,000 gallon #2 Fuel Oil

The National Fire Protection Association's criteria for a tight tank system is a system with a net volume change of less than ± .050 gal/hr. for tank systems. These are calculated, mathematical tolerances only and are not meant to indicate the permission of any leak.

During the stand-pipe test procedure, the liquid hydrostatic pressure applied to the underground tank system is generally two to three times greater than normal liquid storage pressures. This increase in hydrostatic pressure will amplify the indicated net volume change accordingly.

Tank System #1 showed a net volume change of -.033 gph
Tank System #1 is tight.
Tank System #2 showed a net volume change of -.014 gph
Tank System #2 is tight.

Prior to the tests, the tank bottoms were checked for water through the fill pipes; no measurable amounts were detected.

If you have any questions concerning this information please contact me at (203) 366-7988.

Sincerely,

Richard D. Louis
Vice President

RDL:jas

Enclosure

P.O. Box D, 250 Moffitt St., Stratford, CT 06497 (203) 366-7988 FAX (203) 378-8736

ENVIROSHIELD INC.

SITE LAYOUT

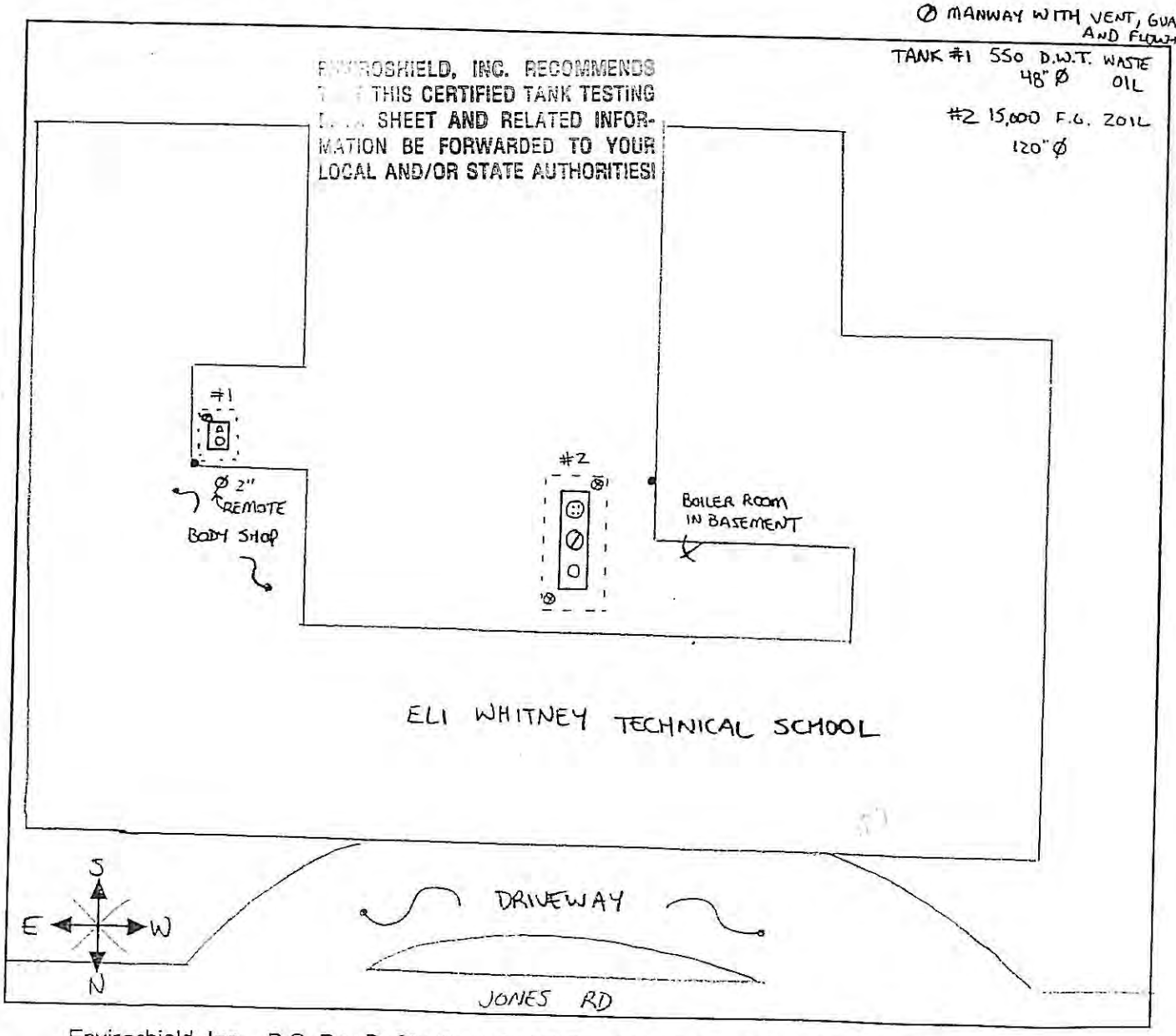
Job Number: VERBAL W/FRANK EARTH TECHNOLOGIES INC Date: 3-24-93

Job Site: ELI WHITNEY TECHNICAL SCHOOL
71 JONES RD
HAMDEN, CT

Supervisor: LENNY

Site Phone: 397-4045

Key:
- Submersible Pump (Make ?)
- Monitoring Well
- Fill (Specify Size) ALL 4"
- Vent ALL 2"
- Manifolded Vent
- Manifolded Vent Box
- Vapor Recovery Poppit
- Vapor Recovery Basket
- Monitoring System FOR ANNULAR SPACE
- Boring
- Dispensers
- Concrete
- Remote Fill
- Siphon Bar
- Siphon Valve
- Annular Space
- Manhole
- Manway
- MANWAY WITH VENT, GUAGE LINE AND FLOW RETURN LINES



Fuss & O'Neill Inc. *Consulting Engineers*

146 Hartford Road, Manchester, CT 06040-5921
TEL 860 646-2469 FAX 860 643-6313
INTERNET: www.FandO.com

Other Offices:
Longmeadow, Massachusetts
Fairfield, Connecticut
East Providence, Rhode Island

January 14, 2000

Joseph V. Cassidy, P.E.
Project Manager
State of Connecticut
Department of Public Works
Statewide Services
165 Capitol Avenue, Room 280
Hartford, CT 06106

RE: Statewide Underground Storage Tank Program
DPW Project No. BI-2B-760-A419
Eli Whitney RVTS (Site A419)
Hamden, Connecticut
Tank Removal Report
Tank EWR1

Dear Mr. Cassidy:

Enclosed please find a summary of our findings and recommendations associated with the removal of one 15,000-gallon heating-oil UST (Tank EWR1), at the above-referenced site. The tank report and associated analytical data for the tank grave are enclosed. The tank was removed by Earth Technologies, Inc. on November 19, 1999, as part of the Connecticut DPW Statewide Underground Storage Tank Program.

Please note that Fuss & O'Neill, Inc. has been unable to obtain the tank and liquid disposal documentation from the contractor. DPW should follow-up on this disposal documentation to assure that proper disposal procedures are being followed.

Should you have any questions or comments, please do not hesitate to call.

Sincerely,

Allyn Foss
Project Hydrogeologist

Andrew R. Zlotnick, LEP
Senior Hydrogeologist

/lhp

Enclosure

G:\P91\91272\Z05\RSW1227A.wpd
DPW UST Program

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC WORKS

STATEWIDE SERVICES

T. R. Anson
Commissioner

January 24, 2000

#62-5620

G Scott Deshefy, Environmental Analyst
UST Enforcement
Dept. of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Re: Statewide Underground Storage Tank Program
DPW Project #: BI-2B-760-A419
Eli Whitney RVTS, Hamden

Dear Scott,

Enclosed please find the report of activities at the subject site, prepared by Fuss & O'Neill, Inc. We have reviewed this report and concur with its recommendations.

Final contamination levels for this tank were found to be below prescribed action levels. Therefore, we are considering this closure of this tank.

If you have any questions, or wish to discuss this matter further, feel free to contact me at (860) 713-5705.

Sincerely,

Joseph V. Cassidy, P.E.
Project Manager

DEP WASTE MANAGEMENT BUREAU
UNDERGROUND STORAGE TANK
ENFORCEMENT PROGRAM

JAN 31 2000

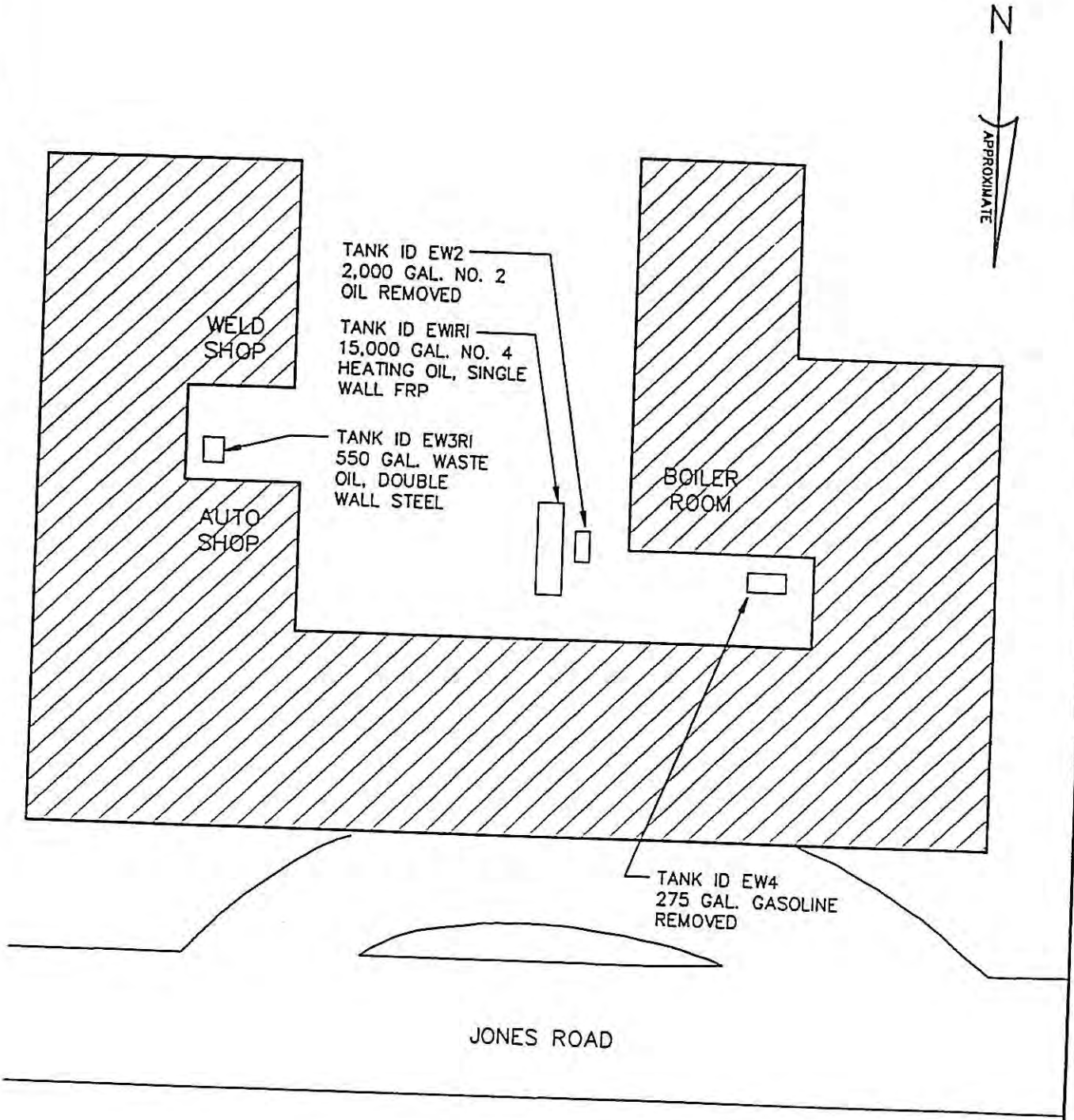
RECEIVED

Attachment

C: Fuss & O'Neill w/o
File A419 Closure w/a

\\DPW_NT1\CASSIDY\Standard Documents\Stock Documents\Closure - Tank - GSD.doc

Phone: (860) 713-5700
Fax: (860) 713-7250
165 Capitol Avenue, Hartford, CT 06106
An Equal Opportunity Employer



FUSS&O'NEILL
consulting engineers
146 HARTFORD ROAD, MANCHESTER, CONNECTICUT 06040

ELI WHITNEY RVTS
CT DPW PROJECT NO.
BI-2B-760-A26

HAMDEN, CONNECTICUT

PROJ. NO. 90-049 DATE: APR. 1993 SCALE: N.T.S.

FILENAME: 90049\EWTS-OEP.DWG

ELI WHITNEY RVTS

SOIL SAMPLE LOCATIONS

TANK EWR1

CONNECTICUT DEPARTMENT OF PUBLIC WORKS
STATEWIDE UNDERGROUND STORAGE TANK PROGRAM
CONN DPW PROJECT NO. BI-2B-760-A419
TANK REMOVAL REPORT

SITE NAME: ELI WHITNEY RVTS **BOILER ROOM** **TANK ID: EWR1**

BACKGROUND

SITE INFORMATION

Site Name: Eli Whitney RVTS

Site Address: 71 Jones Road, Hamden, CT 06514

Site Contacts: Mike Papi Phone: 203-397-4031

AGENCY

Agency Name: Department of Education, Vo-Tech School System Phone: 860-638-4005

Agency Contact: Gene Tanasi

GW Classification: GB

CONTRACTORS

GENERAL CONTRACTOR: Earth Technologies, Inc.

TANK DISPOSAL

Hauler: Earth Technologies, Inc. Phone: 203-230-2040

Disposal Site: Prospect Refuse Inc. Phone: 203-758-6597

Address: 4 Robinmark Road, Prospect, CT 06712

Disposal Certificate Attached: __ Yes _X_ No

LIQUID DISPOSAL

Hauler: Earth Technologies, Inc. Phone: 203-230-2040

Disposal Site: United Oil Recycling Phone: 800-404-4408

Address: 50 Cross Street, Bridgeport, CT 06610

Quantity: 911 gallons Date: 11/19/99 Manifest Attached: __ Yes _X_ No

SOIL DISPOSAL

Hauler: N/A Phone:

Disposal Site: N/A Phone:

Address:

Quantity: ___ tons Date: Disposal Documentation Attached: __ Yes _X_ No

Comments:

CONNECTICUT DEPARTMENT OF PUBLIC WORKS
STATEWIDE UNDERGROUND STORAGE TANK PROGRAM
CONN DPW PROJECT NO. BI-2B-760-A419
TANK REMOVAL REPORT

SITE NAME: ELI WHITNEY RVTS BOILER ROOM TANK ID: EWR1

TANK DATA

TANK DESCRIPTION

Tank ID: EWR1 Date Removed: 11/19/99

Dimensions: 10' (dia.) x 28' (length) Capacity: 15,000 gallons

Tank Material: ___ Steel X Fiberglass

Tank Condition: X Good (not visibly deteriorated)
___ Fair (some corrosion, no obvious signs of tank failure)
___ Poor (visible holes, obvious failure)
___ Tank Not Inspected

Tank Used For: ___ Gasoline ___ Diesel ___ Waste Oil X #2 Oil ___ #4 Oil ___ #6 Oil

FIELD OBSERVATIONS

EXCAVATION DETAILS

Soil Type: Sand/Pea Stone

Evidence of Bedrock: X No ___ Yes Depth ___

Groundwater Present: X No ___ Yes Depth ___

Structural or Removal Limitations:

Comments:

Site Sketch Attached: X Yes ___ No

SAMPLING DATA

FINAL SOIL SAMPLING (Sample locations indicated on site sketch)

Analytical Methods: X 8260 (aromatics) X CT ETPH ___ SPLP Lead ___ SPLP RCRA 8
___ PCBs ___ MTBE ___ Mass Lead ___ Mass RCRA 8

Laboratory: Con-test and F&O Mobile Laboratory
Date Collected: 11/19/99

TANK-GRAVE WATER SAMPLING

Analytical Methods: ___ 8020 ___ TPH (418.1) ___ Dissolved Lead ___ PCBs
___ MTBE ___ Dissolved RCRA 8 ___ 8010

Laboratory: N/A
Date Collected: N/A

Analytical Data for All Samples Attached: X Yes ___ No

CONNECTICUT DEPARTMENT OF PUBLIC WORKS
STATEWIDE UNDERGROUND STORAGE TANK PROGRAM
CONN DPW PROJECT NO. BI-2B-760-A419
TANK REMOVAL REPORT

SITE NAME: ELI WHITNEY RVTS **BOILER ROOM** **TANK ID: EWR1**

CONCLUSIONS (check all that apply)

TANK ID # EWR1

Soil

X Initial soil sample results indicate all contaminant concentrations are below action levels.

___ Initial soil sample results or field screening results indicate contamination above action levels, but additional soil was removed and final soil samples indicate all contaminant concentrations are below action levels.

___ Soil contamination persists above action levels because of the following:

- ___ Physical limitations (i.e. utilities, structures, etc., see sketch).
- ___ Soil contamination extends into the saturated zone.
- ___ Contamination is extensive and other remedial options will be evaluated.

Disposition of Excavated Soil

X Polluted soil was re-used on the parcel in substantial accordance with RSCA §22a-133k(2)(h).

___ Polluted soil was disposed of off-site as contaminated.

___ Contaminated soil was disposed of off-site.

Tank-grave Water

X Tank-grave water not encountered (or evaluated).

___ Tank-grave water analysis indicates contaminant concentrations below action levels.

___ Tank-grave water analysis indicates contaminant concentrations in excess of action levels.

RECOMMENDATIONS

X No further investigation or remediation.

___ Site does not comply with RSRs; however, immediate action is not recommended. Site should be placed on the DPW list of low-priority sites for future consideration.

___ Site does not comply with RSRs:

- ___ Determine potential receptors.
- ___ Perform investigation in accordance with the DPW UST Program Scope of Work for Soil and Groundwater Remedial Investigations dated March 14, 1994.
- ___ Initiate an emergency response program.

Comments:

Attachments

Prepared by:

Allyn Foss
Project Hydrogeologist

Reviewed by:

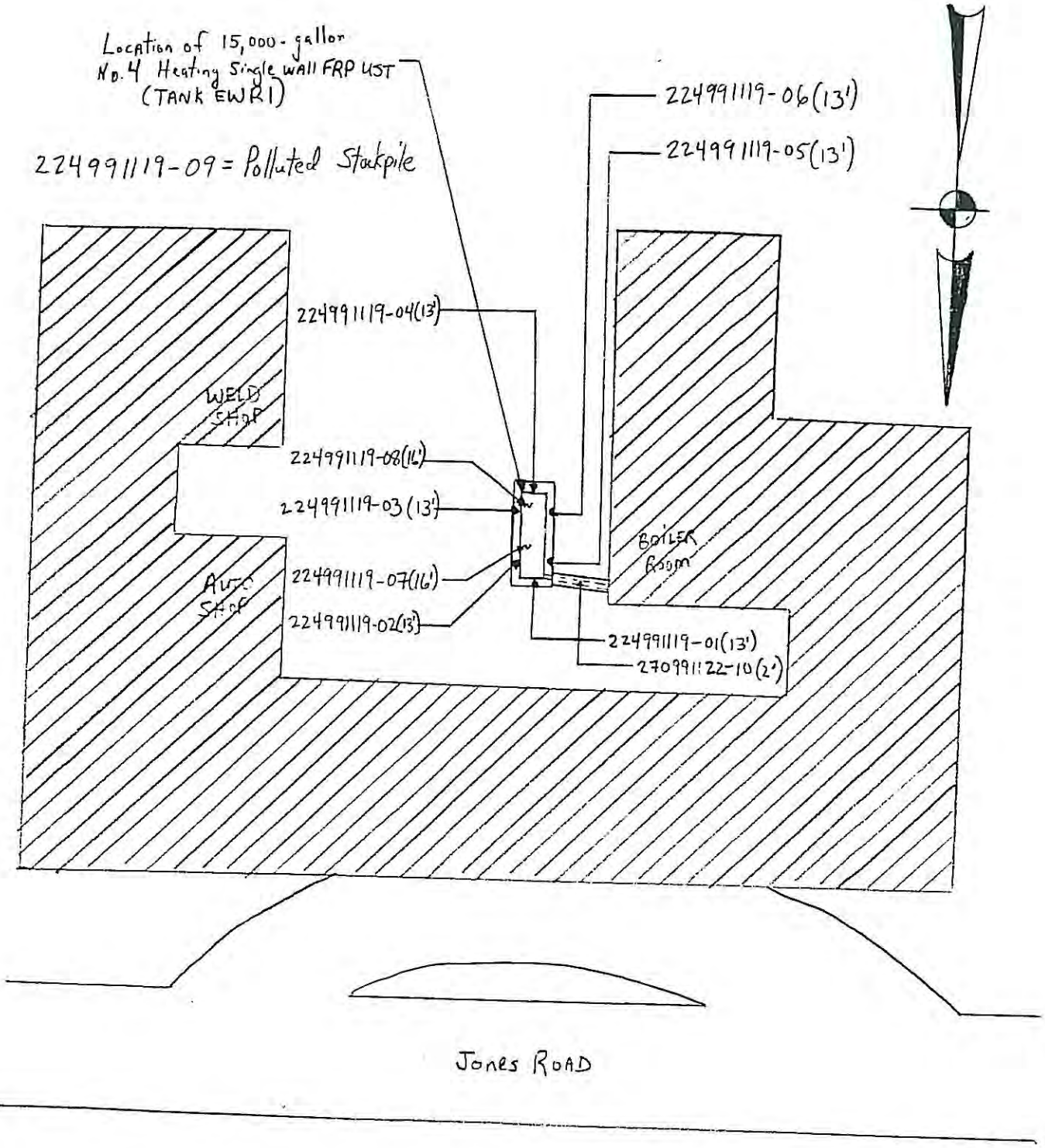
Andrew R. Zlotnick, LEP
Senior Hydrogeologist

TABLE 1
SOIL SAMPLE RESULTS
CONNECTICUT DPW STATEWIDE UST PROGRAM
15,000-GALLON HEATING-OIL UST (TANK EWR1)
ELI WHITNEY RVTS (SITE A419)
DPW PROJECT NO. BI-2B-760-A419
JANUARY 2000

Compound	Units	North 224991119-01	East (North) -02	East (South) -03	South -04	West (North) -05	West (South) -06	Bottom (Northeast) -07	Bottom (southeast) -08	Polluted Stockpile -09	Pipe Trench 270991122-10
Date		11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/19/99	11/22/99
VOCs* (Method 8260)	µg/kg	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
TPH (PetroFLAG™)	mg/kg	65	68	63	17	40	24	ND	ND	148	23
CT ETPH	mg/kg	8.5	NA	ND	6.3	ND	20	12	3.1	77	350

ND - Not Detected
NA - Not Analyzed
* No VOCs were detected.

Note: PetroFLAG™ is USEPA Method 9074.



MAP REFERENCE
STATE OF CONNECTICUT
DPW
Eli Whitney RVTS
BI-2B-760-A419
DRAWING NOT TO SCALE

Fuss & O'Neill Inc. Consulting Engineers
MANCHESTER, CONNECTICUT

SOIL SAMPLE LOCATIONS
15,000-GALLON No. 4 Heating-Oil FRP UST
TANK EWR1
ELI WHITNEY RVTS
HAMDEN CT

PROJ. NO. 91-272Z05 DATE: 12000 SCALE: NOT TO SCALE

NDERGROUND STORAGE
FACILITY NOTIFICATION

2.

a. ☐ FIRST NOTIFICATION
OR
b. ☒ SUBSEQUENT NOTIFICATION (If checked, enter No.)

SITE I.D. 62-5620

ENVIRONMENTAL PROTECTION

HAZARDOUS MATERIALS MANAGEMENT UNIT
165 Capitol Avenue, Hartford, CT 06106
TEL. 566-4630

PLEASE TYPE. ALL THREE COPIES MUST BE LEGIBLE!
Refer to INSTRUCTIONS FOR FILING NOTIFICATION before completing form.

JUN 2 1994

FOR DEP USE ONLY
RECEIVED BY
DATE 6.14.95

D. GRID COORDINATES X ____ Y ____

E. DOES FACILITY MEET NEW REQUIREMENTS? ☐ YES ☐ NO

LOCATION OF FACILITY	SITE NAME: ELI WHITNEY R.V.T.S.	NO. AND STREET: 71 Jones Road	NEAREST INTERSECTING STREET: Fairview Avenue	CITY OR TOWN: Hamden	STATE: CT	5. LATITUDE: 41° 20' 30" LONGITUDE: 72° 56' 30"
BUSINESS NAME AND MAILING ADDRESS	NAME: ELI WHITNEY R.V.T.S	NO. AND STREET: 71 Jones Road		CITY OR TOWN: Hamden	STATE: CT	ZIP CODE: 06514 TELEPHONE: (203) 397-4023
FACILITY OWNER	NAME: State Dept. of Education	NO. AND STREET: 25 Industrial Park Road		CITY OR TOWN: Middletown	STATE: CT	ZIP CODE: 06457 TELEPHONE: (203) 638-4005
TYPE OF OWNER	☐ PRIVATE ☒ STATE ☐ MUNICIPAL ☐ FEDERAL (G.S.A. No. ____)					
OPERATOR/CONTACT PERSON	NAME: Michael Pepe	NO. AND STREET: 71 Jones Road		CITY OR TOWN: Hamden	STATE: CT	ZIP CODE: 06514 TELEPHONE: (203) 397-4015

TANK ID.	11a. DATE OF INSTALLATION (Mo./Yr.)	11b. LIFE EXPECTANCY (# of years)	12a. TOTAL CAPACITY (Gals.)	12 b. STATUS: IN USE	ABANDONED IN PLACE	EST. QUANTITY LEFT STORED (if any). (Gals.)	REMOVED	DATE TANK LAST USED (Mo./Yr.)	13. TYPE OF CONTENTS: OIL/PETROLEUM PRODUCT	CHEMICAL LIQUID	14. CONTENTS- CHEMICAL NAME OF PRINCIPAL SUBSTANCE (not trade name.) (Enter C.A.S. No., If known)	15. CONSTRUCTION MATERIALS: STEEL	FIBERGLASS REINFORCED PLASTIC	OTHER (Specify from list A)	16. PROTECTION a. INTERNAL: LINED	UNLINED	CATHODIC PROTECTION	b. EXTERNAL: COATED/WRAPPED	CATHODIC PROTECTION	OTHER (Specify from list B)	17. INTEGRAL PIPING SYSTEM a. CONSTRUCTION MATERIAL (see list A)	PROTECTION (see list B)	b. DATE OF INSTALLATION OR REPLACEMENT (Mo./Yr.)	18. MONITORING SYSTEM (Specify type from list B)	19. FAILURE DETERMINATION CONDUCTED? (If "YES", enter DATE and attach results). (If "NO", enter "NO")
Example	5/75	30	5000	X					X		Heating fuel #2		X			X				H	3	H	5/75	U	NO
Example	7/60	-	8000				X	8/78		X	1, 1, 1, - Trichloroethane CAS #79016	X				X				E	7	W	7/60	U	—
EW1	1/56	15	15000				X	3/93	X		Heating Fuel #4	X													
EW2	7/84	15	2000				X	3/93	X		Heating Fuel #2	X													
EW3	1/56	15	550				X	3/93	X		Waste Oil	X													
EW4	1/56	15	275				X	3/93	X		Gasoline	X													
EW1R1	3/93	30	15000	X					X		Heating Fuel #4		X			X				AD	10	F W	3/93	LS IQ	Yes 3/24/93
EW3R1	3/93	30	550	X					X		Waste Oil	X				X			X	AB CD	7	F	3/93	LS IQ	Yes 3/24/93

20. HAVE YOU ATTACHED SKETCH OF TANKS AND LOCATION? ☒ YES

21. COMMENTS:
10. Heat fuel piping is copper.

22. CERTIFICATION: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. Penalties: any owner who knowingly fails to notify shall be subject to a civil penalty not to exceed $10,000 for each tank for which notification is not given or for which false information is submitted.

22a. SIGNATURE: X Michael Pepe

22b. DATE SIGNED: 4-12-93

22c. NAME (Type or Print): MICHAEL PEPE

22d. OFFICIAL TITLE (of owner or authorized representative): BUILDING MAINT. SUPERVISOR

COPY 1: SEND TO DEP: 165 CAPITOL AVE. HARTFORD, CT 06106

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: CTP000013309

Generator Name, Address, Zipcode ELI WHITNEY RUTS.
71 JONES RD., HAMDEN, CT
06514

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
MAF373213										
	1/31/1992	WASTE FLAMMABLE SOLID, NOS	FLAMMA	1325	001	DF	2	P	D001	999999
	1/31/1992	WASTE OXIDIZER, NOS	OXIDIZE	1479	001	DF	5	P	D001	999999
	1/31/1992	WASTE CORROSIVE LIQUID, NOS	CORRO	1760	002	DF	15	P	D002	999999
	1/31/1992	WASTE FLAMMABLE LIQUID, NOS	FLAMMA	1993	002	DF	18	G	D001	999999
CTF0073535										
	2/21/1992	WASTE CORROSIVE SOLID	CORRO	1719	001	DM	450	P	D002	999999
MAG084322										
	3/12/1992	W POISONOUS SOLID NOS, SODIUM/CYANIDE	POISON-	2811	001	DM	150	P	P106	999999
	3/12/1992	WASTE LIQUID NOS, ALIPHTIC/HYDROCARBON	COMBU	1993	002	DM	100	G	D001	999999
CTF0509154										
	12/21/1995	WASTE CORROSIVE LIQUID	8	1760	001	DF	30	P	D002	684
	12/21/1995	WASTE OXIDIZING SUBSTANCE LIQUID	5.1	3098	002	DF	300	P	D005	684
	12/21/1995	WASTE CORROSIVE LIQUID	8	1760	002	DF	270	P	D002	684
CTF0509159										
	3/14/1996	CYANIDE INORGANIC	6.1	1588	001	DF	3	P	D003	826
CTF0638852										
	12/4/1997	FLAMMABLE LIQUID N.O.S.	3	1993	001	DM	55	G	D001	1644
IL7351643										
	12/4/1997	FLAMMABLE LIQUID N.O.S.	3	1993	001	DM	11	G	D001	1857
	12/4/1997	CORROSIVE LIQUID NOS	8	1760	002	DF	11	G	D002	1857

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: CTP000013309

Generator Name, Address, Zipcode CT STATE OF VOC TECH SCHOOL
71 JONES RD., HAMDEN, CT

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
	12/4/1997	CORROSIVE LIQUID ACIDIC, INORGANIC NOS	8	3264	001	DM	22	G	D002	1857
	12/4/1997	MERCURY	8	2809	001	CF	78	P	D009	1857
IL7785065										
	1/27/1999	AEROSOLS	2.1	1950	001	DF	2	P	D001	2595
	1/27/1999	PAINT RELATED MATERIAL, PAINT	3	1263	001	DM	28	G	D001	2595
	1/27/1999	CORROSIVE LIQUID BASIC, INORGANIC NOS	8	3266	001	DF	6	G	D002	2595
	1/27/1999	CORROSIVE LIQUID, ACIDIC, ORGANIC NOS	8	3265	001	DF	6	G	D002	2595
MAJ304107										
	1/27/1999	TOXIC, LIQUIDS, ORGANIC, N.O.S.	6.1	2810	001	DM	55	G	F003	2578
	1/27/1999	SOLID CONTAINING FLAMMABLE LIQUID	4.1	3175	001	DF	120	P	F003	2578

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: CTP000013331

Generator Name, Address, Zipcode ELI WHITNEY COC TECH SCHL
71 JONE RD., HANDEM, CT
06514

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
CTF0159183										
	3/2/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	001	DF		27 P	D001*	999999
	3/2/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	002	DM		90 P	D001	999999
	3/2/1992	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		36 P	D006	999999
CTF0191796										
	3/31/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	001	DF		27 P	D001*	999999
	3/31/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	002	DM		90 P	D001*	999999
	3/31/1992	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		36 P	D006*	999999
CTF0189855										
	4/28/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	001	DF		27 P	D001*	999999
	4/28/1992	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		36 P	D006*	999999
	4/28/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	002	DM		90 P	D001*	999999
CTF0190494										
	5/22/1992	WASTE PETROLEUM NAPHTHA LIQUID	COMBU	1255	001	DF		27 P	D001*	999999
	5/22/1992	W COMPOUND CLEANING LIQ MONOETHANOLAMINE		1760	001	DM		36 P	D006*	999999
	5/22/1992	WASTE PETROLEUM NAPHTHA LIQUID	COMBU	1255	002	DM		45 P	D001*	999999
CTF0140060										
	10/16/1992	WASTE COMBUSTIBLE LIQUID	COMBU	1993	002	DM		90 P	D001*	999999
	10/16/1992	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DF		27 P	D001*	999999
	10/16/1992	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		36 P	D006*	999999
CTF0142403										
	11/10/1992	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	001	DF		27 P	D001*	999999

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: CTP000013331

Generator Name, Address, Zipcode ELI WHITNEY VOC TECH SCHL
71 JONES RD., HAMDEN

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
	11/10/1992	WASTE COMPOUND CLEANING LIQUID		1760	001	DM		36 P	D006*	999999
	11/10/1992	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	003	DM		90 P	D001*	999999

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: CTP000013331

Generator Name, Address, Zipcode ELI WHITNEY COC TECH SCHL
71 JONE RD., HANDEM, CT
06514

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
CTF0159183										
	3/2/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	001	DF		27 P	D001*	999999
	3/2/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	002	DM		90 P	D001	999999
	3/2/1992	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		36 P	D006	999999
CTF0191796										
	3/31/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	001	DF		27 P	D001*	999999
	3/31/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	002	DM		90 P	D001*	999999
	3/31/1992	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		36 P	D006*	999999
CTF0189855										
	4/28/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	001	DF		27 P	D001*	999999
	4/28/1992	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		36 P	D006*	999999
	4/28/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	002	DM		90 P	D001*	999999
CTF0190494										
	5/22/1992	WASTE PETROLEUM NAPHTHA LIQUID	COMBU	1255	001	DF		27 P	D001*	999999
	5/22/1992	W COMPOUND CLEANING LIQ MONOETHANOLAMINE		1760	001	DM		36 P	D006*	999999
	5/22/1992	WASTE PETROLEUM NAPHTHA LIQUID	COMBU	1255	002	DM		45 P	D001*	999999
CTF0140060										
	10/16/1992	WASTE COMBUSTIBLE LIQUID	COMBU	1993	002	DM		90 P	D001*	999999
	10/16/1992	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DF		27 P	D001*	999999
	10/16/1992	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		36 P	D006*	999999
CTF0142403										
	11/10/1992	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	001	DF		27 P	D001*	999999

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: CTP000013331

Generator Name, Address, Zipcode ELI WHITNEY VOC TECH SCHL
71 JONES RD., HAMDEN

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
	11/10/1992	WASTE COMPOUND CLEANING LIQUID		1760	001	DM		36 P	D006*	999999
	11/10/1992	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	003	DM		90 P	D001*	999999

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: CTD983895228

Generator Name, Address, Zipcode ELI WHITNEY VOC. TECH. SCHOOL
71 JONES RD.,HAMDEN, CT
06514

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
CTF0101578										
	3/2/1993	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		5 G	D006*	999999
	3/2/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	003	DM		20 G	D001*	999999
CTF0314507										
	3/24/1993	WASTE CMPNDS CLNG LIQ MONOETHANOLAMINE	3	1760	001	DM		6 G	D006	999999
	3/24/1993	WASTE LIQ NOS PETRO NAPHTHA	COMBU	1993	002	DM		16 G	D001	999999
	3/24/1993	WASTE LIQ NOS PETRO NAPHTHA	COMBU	1993	001	DF		4 G	D001	999999
CTF0222924										
	4/22/1993	WASTE PETROLEUM NAPHTHA LIQUID, NOS	COMBU	1993	002	DM		7 G	D001*	999999
	4/22/1993	W COMPOUND CLEANING LIQ MONOETHANOLAMINE	8	1760	001	DM		5 G	D006*	999999
	4/22/1993	WASTE PETROLEUM NAPHTHA LIQUID, NOS	COMBU	1993	001	DF		4 G	D001*	999999
CTF0317184										
	5/19/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	002	DM		16 G	D001*	999999
	5/19/1993	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		6 G	D006*	999999
	5/19/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	010	DF		4 G	D001*	999999
CTF0229232										
	8/16/1993	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	001	DF		4 G	D001*	37
	8/16/1993	WASTE COMPOUND CLEANING LIQUID	8	1760	001	DM		6 G	D006*	37
	8/16/1993	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	002	DM		16 G	D001*	37
CTF0222394										
	9/16/1993	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		6 G	D006*	999999
	9/16/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DF		4 G	D001*	999999

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: CTD983895228

Generator Name, Address, Zipcode ELI WHITNEY VOC. TECH. SCHOOL
71 JONES RD.,HAMDEN, CT
06514

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
	9/16/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	002	DM		17 G	D001*	999999
CTF0301406										
	10/18/1993	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		6 G	D006*	999999
	10/18/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DF		4 G	D001*	999999
	10/18/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	002	DM		15 G	D001*	999999
CTF0295098										
	11/8/1993	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		6 G	D006*	999999
	11/8/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	002	DM		15 G	D001*	999999
	11/8/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DF		4 G	D001*	999999
CTF0300380										
	12/8/1993	WASTE PETROLEUM NAPHTHA LIQUID, NOS	COMBU	1993	001	DF		4 G	D001*	999999
	12/8/1993	WASTE PETROLEUM NAPHTHA LIQUID, NOS	COMBU	1993	002	DM		16 G	D001*	999999
	12/8/1993	W COMPOUND CLEANING LIQ MONOETHANOLAMINE	8	1760	001	DM		6 G	D006*	999999
CTF0300707										
	1/11/1994	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		6 G	D006*	999999
	1/11/1994	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	001	DF		4 G	D001*	999999
	1/11/1994	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	002	DM		15 G	D001*	999999
CTF0296563										
	2/3/1994	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	002	DM		16 G	D001*	999999
	2/3/1994	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	001	DF		4 G	D001*	999999
	2/3/1994	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		6 G	D006*	999999

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: CTD983895228

Generator Name, Address, Zipcode ELI WHITNEY VOC. TECH. SCHOOL
71 JONES RD.,HAMDEN, CT
06514

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
CTF0296749										
	3/8/1994	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		6 G	D006*	999999
	3/8/1994	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	002	DM		14 G	D001*	999999
	3/8/1994	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	001	DF		4 G	D001*	999999
CTF0298303										
	3/30/1994	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	002	DM		16 G	D001*	999999
	3/30/1994	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	001	DF		4 G	D001*	999999
	3/30/1994	WASTE COMPOUND CLEANING LIQUID	8	1760	001	DM		6 G	D006*	999999
MAH074791										
	4/28/1994	WASTE COMBUSTIBLE LIQUID	6.7	1993	002	DM		16 G	D001*	999999
	4/28/1994	WASTE COMPOUND CLEANING LIQUID	8	1760	001	DM		6 G	D006*	999999
	4/28/1994	WASTE COMBUSTIBLE LIQUID	6.7	1993	001	DF		4 G	D001*	999999
MAH064685										
	5/23/1994	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	001	DM		4 G	D001*	999999
	5/23/1994	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	002	DF		15 G	D001*	999999
	5/23/1994	WASTE COMPOUND CLEANING LIQUID	8	1760	001	DM		6 G	D006*	999999
CTF0320772										
	9/7/1994	WASTE COMPOUND CLEANING LIQUID	8	1760	001	DM		6 G	D006*	999999
	9/7/1994	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DF		4 G	D001*	999999
	9/7/1994	WASTE COMBUSTIBLE LIQUID	COMBU	1993	002	DM		12 G	D001*	999999
CTF0347969										
	10/6/1994	WASTE PETROLEUM NAPHTHA LIQUID, NOS	COMBU	1993	001	DM		8 G	D001*	999999

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: CTD983895228

Generator Name, Address, Zipcode ELI WHITNEY VOC. TECH. SCHOOL
71 JONES RD.,HAMDEN, CT
06514

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
CTF0347036										
	10/14/1994	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DM		8 G	D001*	999999
	10/14/1994	WASTE COMPOUND CLEANING LIQUID	8	1760	001	DM		6 G	D006*	999999
MAH111084										
	1/3/1995	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	001	DM		6 G	D001*	318
	1/3/1995	WASTE COMPOUND CLEANING LIQUID	8	1760	001	DM		6 G	D006*	318
MAH117935										
	1/20/1995	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DF		4 G	D001*	306
MAH119249										
	1/25/1995	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DM		7 G	D001*	312
MAH120011										
	1/30/1995	WASTE COMPOUND CLEANING LIQUID	8	1760	001	DM		6 G	D006*	314
	1/30/1995	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DM		8 G	D001*	314
MAJ055875										
	3/21/1995	WASTE COMBUSTIBLE LIQUID NOS	4	1993	002	DM		14 G	D001	348
	3/21/1995	WASTE COMPOUND CLEANING LIQUID	8	1760	001	DM		6 G	D006	348
	3/21/1995	WASTE COMBUSTIBLE LIQUID NOS	4	1993	001	DF		4 G	D001	348
CTF0439499										
	9/6/1995	HAZARDOUS WASTE LIQUID NOS	9	3082	001	DF		4 G	D039	596
	9/6/1995	WASTE COMPOUND CLEANING LIQUID	8	1760	001	DM		6 G	D006*	596

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: **CTD983895228**

Generator Name, Address, Zipcode WHITNEY ELI VOACATIONAL TECH SCHOOL
71 JONES RD , HAMDEN , CT
06514

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
	9/6/1995	WASTE COMBUSTIBLE LIQUID NOS	4	1993	002	DM		27 G	D039*	596

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: CTP000013309

Generator Name, Address, Zipcode ELI WHITNEY RUTS.
71 JONES RD., HAMDEN, CT
06514

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
MAF373213										
	1/31/1992	WASTE FLAMMABLE SOLID, NOS	FLAMMA	1325	001	DF	2	P	D001	999999
	1/31/1992	WASTE OXIDIZER, NOS	OXIDIZE	1479	001	DF	5	P	D001	999999
	1/31/1992	WASTE CORROSIVE LIQUID, NOS PAINT	CORRO	1760	002	DF	15	P	D002	999999
	1/31/1992	WASTE FLAMMABLE LIQUID, NOS PETRO	FLAMMA	1993	002	DF	18	G	D001	999999
CTF0073535										
	2/21/1992	WASTE CORROSIVE SOLID CAUSTIC	CORRO	1719	001	DM	450	P	D002	999999
MAG084322										
	3/12/1992	W POISONOUS SOLID NOS, SODIUM/CYANIDE	POISON-	2811	001	DM	150	P	P106	999999
	3/12/1992	WASTE LIQUID NOS, ALIPHTIC/HYDROCARBON	COMBU	1993	002	DM	100	G	D001	999999
CTF0509154										
	12/21/1995	WASTE CORROSIVE LIQUID PAINT	8	1760	001	DF	30	P	D002	684
	12/21/1995	WASTE OXIDIZING SUBSTANCE LIQUID	5.1	3098	002	DF	300	P	D005	684
	12/21/1995	WASTE CORROSIVE LIQUID PAINT	8	1760	002	DF	270	P	D002	684
CTF0509159										
	3/14/1996	CYANIDE INORGANIC	6.1	1588	001	DF	3	P	D003	826
CTF0638852										
	12/4/1997	FLAMMABLE LIQUID N.O.S. Petro	3	1993	001	DM	55	G	D001	1644
IL7351643										
	12/4/1997	FLAMMABLE LIQUID N.O.S. Petro	3	1993	001	DM	11	G	D001	1857
	12/4/1997	CORROSIVE LIQUID NOS Paint	8	1760	002	DF	11	G	D002	1857

GENERATOR MANIFEST REPORT

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Generator EPA ID: CTP000013309

Generator Name, Address, Zipcode CT STATE OF VOC TECH SCHOOL
71 JONES RD., HAMDEN, CT

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
	12/4/1997	CORROSIVE LIQUID ACIDIC, INORGANIC NOS	8	3264	001	DM	22	G	D002	1857
	12/4/1997	MERCURY	8	2809	001	CF	78	P	D009	1857
IL7785065										
	1/27/1999	AEROSOLS	2.1	1950	001	DF	2	P	D001	2595
	1/27/1999	PAINT RELATED MATERIAL, PAINT	3	1263	001	DM	28	G	D001	2595
	1/27/1999	CORROSIVE LIQUID BASIC, INORGANIC NOS	8	3266	001	DF	6	G	D002	2595
	1/27/1999	CORROSIVE LIQUID, ACIDIC, ORGANIC NOS	8	3265	001	DF	6	G	D002	2595
MAJ304107										
	1/27/1999	TOXIC, LIQUIDS, ORGANIC, N.O.S. (Pb-204)	6.1	2810	001	DM	55	G	F003	2578
	1/27/1999	SOLID CONTAINING FLAMMABLE LIQUID	4.1	3175	001	DF	120	P	F003	2578

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Generator EPA ID: CTP000013331

Generator Name, Address, Zipcode ELI WHITNEY COC TECH SCHL
71 JONE RD., HANDEM, CT
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MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
CTF0159183										
	3/2/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	001	DF		27 P	D001*	999999
	3/2/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	002	DM		90 P	D001	999999
	3/2/1992	WASTE COMPOUND CLEANING LIQUID	CORRO	1760	001	DM		36 P	D006	999999
CTF0191796										
	3/31/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	001	DF		27 P	D001*	999999
	3/31/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	002	DM		90 P	D001*	999999
	3/31/1992	WASTE COMPOUND CLEANING LIQUID PAINT	CORRO	1760	001	DM		36 P	D006*	999999
CTF0189855										
	4/28/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	001	DF		27 P	D001*	999999
	4/28/1992	WASTE COMPOUND CLEANING LIQUID PAINT	CORRO	1760	001	DM		36 P	D006*	999999
	4/28/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	002	DM		90 P	D001*	999999
CTF0190494										
	5/22/1992	WASTE PETROLEUM NAPHTHA LIQUID	COMBU	1255	001	DF		27 P	D001*	999999
	5/22/1992	W COMPOUND CLEANING LIQ MONOETHANOLAMINE PAINT		1760	001	DM		36 P	D006*	999999
	5/22/1992	WASTE PETROLEUM NAPHTHA LIQUID	COMBU	1255	002	DM		45 P	D001*	999999
CTF0140060										
	10/16/1992	WASTE COMBUSTIBLE LIQUID Petro	COMBU	1993	002	DM		90 P	D001*	999999
	10/16/1992	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DF		27 P	D001*	999999
	10/16/1992	WASTE COMPOUND CLEANING LIQUID PAINT	CORRO	1760	001	DM		36 P	D006*	999999
CTF0142403										
	11/10/1992	WASTE COMBUSTIBLE LIQUID, NOS Petro	COMBU	1993	001	DF		27 P	D001*	999999

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Generator EPA ID: CTP000013331

Generator Name, Address, Zipcode ELI WHITNEY VOC TECH SCHL
71 JONES RD., HAMDEN

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
	11/10/1992	WASTE COMPOUND CLEANING LIQUID PAINT		1760	001	DM		36 P	D006*	999999
	11/10/1992	WASTE COMBUSTIBLE LIQUID, NOS fuel	COMBU	1993	003	DM		90 P	D001*	999999

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Generator EPA ID: CTP000013331

Generator Name, Address, Zipcode ELI WHITNEY COC TECH SCHL
71 JONE RD., HANDEM, CT
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MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
CTF0159183										
	3/2/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	001	DF		27 P	D001*	999999
	3/2/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	002	DM		90 P	D001	999999
	3/2/1992	WASTE COMPOUND CLEANING LIQUID PAINT	CORRO	1760	001	DM		36 P	D006	999999
CTF0191796										
	3/31/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	001	DF		27 P	D001*	999999
	3/31/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	002	DM		90 P	D001*	999999
	3/31/1992	WASTE COMPOUND CLEANING LIQUID PAINT	CORRO	1760	001	DM		36 P	D006*	999999
CTF0189855										
	4/28/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	001	DF		27 P	D001*	999999
	4/28/1992	WASTE COMPOUND CLEANING LIQUID PAINT	CORRO	1760	001	DM		36 P	D006*	999999
	4/28/1992	WASTE PETROLEUM NAPHTHA	COMBU	1255	002	DM		90 P	D001*	999999
CTF0190494										
	5/22/1992	WASTE PETROLEUM NAPHTHA LIQUID	COMBU	1255	001	DF		27 P	D001*	999999
	5/22/1992	W COMPOUND CLEANING LIQ MONOETHANOLAMINE PAINT		1760	001	DM		36 P	D006*	999999
	5/22/1992	WASTE PETROLEUM NAPHTHA LIQUID	COMBU	1255	002	DM		45 P	D001*	999999
CTF0140060										
	10/16/1992	WASTE COMBUSTIBLE LIQUID Pete	COMBU	1993	002	DM		90 P	D001*	999999
	10/16/1992	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DF		27 P	D001*	999999
	10/16/1992	WASTE COMPOUND CLEANING LIQUID PAINT	CORRO	1760	001	DM		36 P	D006*	999999
CTF0142403										
	11/10/1992	WASTE COMBUSTIBLE LIQUID, NOS Pete	COMBU	1993	001	DF		27 P	D001*	999999

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Generator EPA ID: CTP000013331

Generator Name, Address, Zipcode ELI WHITNEY VOC TECH SCHL
71 JONES RD., HAMDEN

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
	11/10/1992	WASTE COMPOUND CLEANING LIQUID PAINT		1760	001	DM		36 P	D006*	999999
	11/10/1992	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	003	DM		90 P	D001*	999999

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Generator EPA ID: CTD983895228

Generator Name, Address, Zipcode ELI WHITNEY VOC. TECH. SCHOOL
71 JONES RD.,HAMDEN, CT
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MANIFEST	DTSHIPPED	US DOT DESC		HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
CTF0101578											
	3/2/1993	WASTE COMPOUND CLEANING LIQUID	PAINT	CORRO	1760	001	DM		5 G	D006*	999999
	3/2/1993	WASTE COMBUSTIBLE LIQUID	PETRO	COMBU	1993	003	DM		20 G	D001*	999999
CTF0314507											
	3/24/1993	WASTE CMPNDS CLNG LIQ MONOETHANOLAMINE		3	1760	001	DM		6 G	D006	999999
	3/24/1993	WASTE LIQ NOS PETRO NAPHTHA		COMBU	1993	002	DM		16 G	D001	999999
	3/24/1993	WASTE LIQ NOS PETRO NAPHTHA		COMBU	1993	001	DF		4 G	D001	999999
CTF0222924											
	4/22/1993	WASTE PETROLEUM NAPHTHA LIQUID, NOS		COMBU	1993	002	DM		7 G	D001*	999999
	4/22/1993	W COMPOUND CLEANING LIQ MONOETHANOLAMINE		8 PAINT	1760	001	DM		5 G	D006*	999999
	4/22/1993	WASTE PETROLEUM NAPHTHA LIQUID, NOS		COMBU	1993	001	DF		4 G	D001*	999999
CTF0317184											
	5/19/1993	WASTE COMBUSTIBLE LIQUID		COMBU	1993	002	DM		16 G	D001*	999999
	5/19/1993	WASTE COMPOUND CLEANING LIQUID	PAINT	CORRO	1760	001	DM		6 G	D006*	999999
	5/19/1993	WASTE COMBUSTIBLE LIQUID		COMBU	1993	010	DF		4 G	D001*	999999
CTF0229232											
	8/16/1993	WASTE COMBUSTIBLE LIQUID, NOS		COMBU	1993	001	DF		4 G	D001*	37
	8/16/1993	WASTE COMPOUND CLEANING LIQUID	PAINT	8	1760	001	DM		6 G	D006*	37
	8/16/1993	WASTE COMBUSTIBLE LIQUID, NOS		COMBU	1993	002	DM		16 G	D001*	37
CTF0222394											
	9/16/1993	WASTE COMPOUND CLEANING LIQUID	PAINT	CORRO	1760	001	DM		6 G	D006*	999999
	9/16/1993	WASTE COMBUSTIBLE LIQUID	PETRO	COMBU	1993	001	DF		4 G	D001*	999999

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71 JONES RD.,HAMDEN, CT
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MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
	9/16/1993	WASTE COMBUSTIBLE LIQUID Petro	COMBU	1993	002	DM		17 G	D001*	999999
CTF0301406										
	10/18/1993	WASTE COMPOUND CLEANING LIQUID PAINT	CORRO	1760	001	DM		6 G	D006*	999999
	10/18/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DF		4 G	D001*	999999
	10/18/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	002	DM		15 G	D001*	999999
CTF0295098										
	11/8/1993	WASTE COMPOUND CLEANING LIQUID PAINT	CORRO	1760	001	DM		6 G	D006*	999999
	11/8/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	002	DM		15 G	D001*	999999
	11/8/1993	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DF		4 G	D001*	999999
CTF0300380										
	12/8/1993	WASTE PETROLEUM NAPHTHA LIQUID, NOS	COMBU	1993	001	DF		4 G	D001*	999999
	12/8/1993	WASTE PETROLEUM NAPHTHA LIQUID, NOS	COMBU	1993	002	DM		16 G	D001*	999999
	12/8/1993	W COMPOUND CLEANING LIQ MONOETHANOLAMINE 8 PAINT	1760		001	DM		6 G	D006*	999999
CTF0300707										
	1/11/1994	WASTE COMPOUND CLEANING LIQUID PAINT	CORRO	1760	001	DM		6 G	D006*	999999
	1/11/1994	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	001	DF		4 G	D001*	999999
	1/11/1994	WASTE COMBUSTIBLE LIQUID, NOS Petro	COMBU	1993	002	DM		15 G	D001*	999999
CTF0296563										
	2/3/1994	WASTE COMBUSTIBLE LIQUID, NOS Petro	COMBU	1993	002	DM		16 G	D001*	999999
	2/3/1994	WASTE COMBUSTIBLE LIQUID, NOS	COMBU	1993	001	DF		4 G	D001*	999999
	2/3/1994	WASTE COMPOUND CLEANING LIQUID PAINT	CORRO	1760	001	DM		6 G	D006*	999999

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06514

MANIFEST	DTSHIPPED	US DOT DESC		HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
CTF0296749											
	3/8/1994	WASTE COMPOUND CLEANING LIQUID	PAINT	CORRO	1760	001	DM	6 G		D006*	999999
	3/8/1994	WASTE COMBUSTIBLE LIQUID, NOS		COMBU	1993	002	DM	14 G		D001*	999999
	3/8/1994	WASTE COMBUSTIBLE LIQUID, NOS		COMBU	1993	001	DF	4 G		D001*	999999
CTF0298303			PETRO								
	3/30/1994	WASTE COMBUSTIBLE LIQUID, NOS		COMBU	1993	002	DM	16 G		D001*	999999
	3/30/1994	WASTE COMBUSTIBLE LIQUID, NOS		COMBU	1993	001	DF	4 G		D001*	999999
	3/30/1994	WASTE COMPOUND CLEANING LIQUID	PAINT	8	1760	001	DM	6 G		D006*	999999
MAH074791											
	4/28/1994	WASTE COMBUSTIBLE LIQUID	Petro	6.7	1993	002	DM	16 G		D001*	999999
	4/28/1994	WASTE COMPOUND CLEANING LIQUID	PAINT	8	1760	001	DM	6 G		D006*	999999
	4/28/1994	WASTE COMBUSTIBLE LIQUID		6.7	1993	001	DF	4 G		D001*	999999
MAH064685											
	5/23/1994	WASTE COMBUSTIBLE LIQUID, NOS	Petro	COMBU	1993	001	DM	4 G		D001*	999999
	5/23/1994	WASTE COMBUSTIBLE LIQUID, NOS		COMBU	1993	002	DF	15 G		D001*	999999
	5/23/1994	WASTE COMPOUND CLEANING LIQUID	Paint	8	1760	001	DM	6 G		D006*	999999
CTF0320772											
	9/7/1994	WASTE COMPOUND CLEANING LIQUID	Paint	8	1760	001	DM	6 G		D006*	999999
	9/7/1994	WASTE COMBUSTIBLE LIQUID		COMBU	1993	001	DF	4 G		D001*	999999
	9/7/1994	WASTE COMBUSTIBLE LIQUID	Petro	COMBU	1993	002	DM	12 G		D001*	999999
CTF0347969											
	10/6/1994	WASTE PETROLEUM NAPHTHA LIQUID, NOS		COMBU	1993	001	DM	8 G		D001*	999999

GENERATOR MANIFEST REPORT

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Generator EPA ID: CTD983895228

Generator Name, Address, Zipcode ELI WHITNEY VOC. TECH. SCHOOL
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MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
CTF0347036										
	10/14/1994	WASTE COMBUSTIBLE LIQUID Petro	COMBU	1993	001	DM		8 G	D001*	999999
	10/14/1994	WASTE COMPOUND CLEANING LIQUID Paint	8	1760	001	DM		6 G	D006*	999999
MAH111084										
	1/3/1995	WASTE COMBUSTIBLE LIQUID, NOS Petro	COMBU	1993	001	DM		6 G	D001*	318
	1/3/1995	WASTE COMPOUND CLEANING LIQUID Paint	8	1760	001	DM		6 G	D006*	318
MAH117935										
	1/20/1995	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DF		4 G	D001*	306
MAH119249		Petro								
	1/25/1995	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DM		7 G	D001*	312
MAH120011		Paint								
	1/30/1995	WASTE COMPOUND CLEANING LIQUID	8	1760	001	DM		6 G	D006*	314
	1/30/1995	WASTE COMBUSTIBLE LIQUID	COMBU	1993	001	DM		8 G	D001*	314
MAJ055875										
	3/21/1995	WASTE COMBUSTIBLE LIQUID NOS Petro	4	1993	002	DM		14 G	D001	348
	3/21/1995	WASTE COMPOUND CLEANING LIQUID Paint	8	1760	001	DM		6 G	D006	348
	3/21/1995	WASTE COMBUSTIBLE LIQUID NOS Petro	4	1993	001	DF		4 G	D001	348
CTF0439499										
	9/6/1995	HAZARDOUS WASTE LIQUID NOS (Cyanide)	9	3082	001	DF		4 G	D039	596
	9/6/1995	WASTE COMPOUND CLEANING LIQUID Paint	8	1760	001	DM		6 G	D006*	596

GENERATOR MANIFEST REPORT

1/1/1984 thru 12/31/2002

Generator EPA ID: CTD983895228

Generator Name, Address, Zipcode WHITNEY ELI VOACATIONAL TECH SCHOOL
71 JONES RD , HAMDEN , CT
06514

MANIFEST	DTSHIPPED	US DOT DESC	HAZ CL	UNNA	# OF CONT	CONT TYPE	QTY	WT/VOL	EPA CODE	BATCH#
	9/6/1995	WASTE COMBUSTIBLE LIQUID NOS Petro	4	1993	002	DM		27 G	D039*	596

NDERGROUND STORAGE ACILITY NOTIFICATION

2. PG 1 of 1

☐ FIRST NOTIFICATION
OR
☒ SUBSEQUENT NOTIFICATION (if checked, enter no.) SITE I.D. 62-5620

STATE OF CONNECTICUT
Department of Environmental Protection
UNDERGROUND STORAGE FACILITIES PROGRAM
Bureau of Waste Management
79 ELM STREET, Hartford, CT 06106-5127
TEL. (860) 424-3374

PLEASE TYPE OR PRINT. ALL THREE COPIES MUST BE LEGIBLE
Refer to INSTRUCTIONS FOR FILING NOTIFICATION before completing form.

EPHM-6 Rev. 5/94

3. FOR STATE AGENCY USE ONLY | A. DATE ENTERED 2/1/00 | B. FEE BILLED | C. FEE RECEIVED

D. GRID COORDINATES X____ Y____ | E. DOES FACILITY MEET NEW REQUIREMENTS? ☐ YES ☐ NO

LOCATION OF FACILITY	SITE NAME: Eli Whitney R.V.T.S.	NO. AND STREET: 71 Jones Rd.	NEAREST INTERSECTING STREET: Fairview Ave.	CITY OR TOWN: Hamden	STATE: CT	5. LATITUDE: 41°20'30" / LONGITUDE: 72°56'30"
BUSINESS NAME AND MAILING ADDRESS	NAME: Eli Whitney R.V.T.S.	NO. AND STREET: 71 Jones Rd.		CITY OR TOWN: Hamden	STATE: CT	ZIP CODE: 06514 / TELEPHONE: 203 397-4031
FACILITY OWNER	NAME: Department of Education	NO. AND STREET: 25 Industrial Rd.		CITY OR TOWN: Middletown	STATE: CT	ZIP CODE: 06457 / TELEPHONE: 860 638-4005
TYPE OF OWNER	☐ PRIVATE ☒ STATE ☐ MUNICIPAL ☐ FEDERAL (G.S.A. NO. _____).					
OPERATOR/CONTACT PERSON	NAME: Michael Pepe	NO. AND STREET: 71 Jones Rd.		CITY OR TOWN: Hamden	STATE: CT	ZIP CODE: 06514 / TELEPHONE: 203 397-4031

10. TANK I.D.	11a. DATE OF INSTALLATION (Mo./Yr.)	11b. LIFE EXPECTANCY (# of years)	12a. TOTAL CAPACITY (Gals.)	IN USE	12b. STATUS: ABANDONED IN PLACE	EST. QUANTITY LEFT STORED (If any) (Gals.)	REMOVED	DATE TANK LAST USED (Mo./Yr.)	13 TYPE OF CONTENTS: OIL/PETROLEUM PRODUCT	CHEMICAL LIQUID	14. CONTENTS: CHEMICAL NAME OF PRINCIPAL SUBSTANCE (not trade name) (Enter C.A.S. No., if known)	15. CONSTRUCTION MATERIALS: STEEL	FIBERGLASS REINFORCED PALSTIC	OTHER- (Specify from List A)	16. PROTECTION a. INTERNAL: LINED	UNLINED	CATHODIC PROTECTION	b. EXTERNAL: COATED/ WRAPPED	CATHODIC PROTECTION	OTHER- (Specify from List B)	17. INTEGRAL PIPING SYSTEM a. CONSTRUCTION MATERIAL (See List A)	a. PROTECTION (See List B)	b. DATE OF INSTALLATION OR REPLACEMENT (Mo./Yr.)	18. MONITORING SYSTEM (Specify type from list B)	19. FAILURE DETERMINATION CONDUCTED? (If "YES", enter "DATE" and attach results). (If "NO", enter "NO")
Example	5/75	30	5000	X					X		Heating fuel #2		X			X				H	3	H	5/75	U	NO
Example	7/60	–	8000				X	8/78		X	1,1,1, - Tricloroethane CAS #79016	X				X				E	7	W	7/60	U	–
FW1R1	3/93	30	15,000				X	11/99	X		Heating fuel #2		X			X				A, D	10	F, W	3/93	L, S, I, Q	Yes 3/24/93

HAVE YOU ATTACHED SKETCH OF TANKS AND LOCATION? ☐ YES
COMMENTS:

22. CERTIFICATION: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete.
Penalties: any owner who knowingly fails to notify shall be subject to a civil penalty not to exceed $10,000 for each tank for which notification is not given or for which false information is submitted.

22a. SIGNATURE: x Michael Pepe
22b. DATE SIGNED: 12-14-99
22c. NAME (Type or Print): Michael Pepe
22d. OFFICIAL TITLE (of owner or authorized representative): Building Maint. Supervisor

APPENDIX B

TAX ASSESSORS INFORMATION

Parcel ID : 2124/ 037/ / / /

Location: 105 JONES RD

Owner Name: CONNECTICUT STATE OF

Account Number:

Parcel Value

Appraised Value	Assessed Value
12,715,400	8,900,780

Owner of Record

CONNECTICUT STATE OF

Ownership History

Owner Name	Book/Page	Sale Date	Sale Price
CONNECTICUT STATE OF	0355/0461	3/1/1955	0

Land Use

Land Use Code	Land Use Description
9014	STATE EDUC

Land Information

Size	Zone
18.84 AC	R-4

Outbuildings

Code	Description	Units
PAV1	PAVING-ASPHALT	174000
TEN1	**TENNIS COURT**	4
FGR1	GARAGE-AVE	1360
FGR1	GARAGE-AVE	2720
FN3	FENCE-6' CHAIN	230
FN5	FENCE-10'CHAIN	780
LT2	W/DOUBLE LIGHT	1

Construction Detail

Building # 1

Style: School
Grade: C +
Stories: 2 Stories
Exterior Wall 1: Brick
Roof Structure: Flat
Roof Cover: T&G/Rubber
Interior Wall 1: Minim/Masonry
Interior Floor 1: Vinyl/Asphalt
Interior Floor 2: Concr-Finished
Heat Fuel: Gas
Heat Type: Hot Water
AC Type: None
Bedrooms:
Bathrooms:

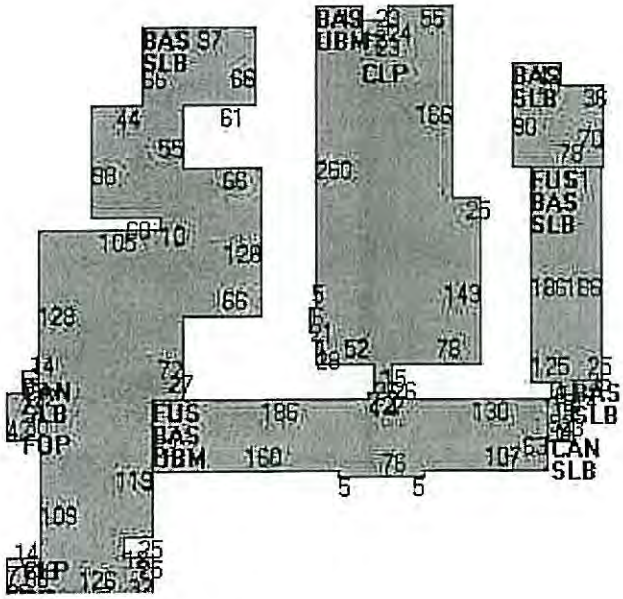
Building Information

Living Area: 175,297 square feet
Year Built: 1957

Extra Features

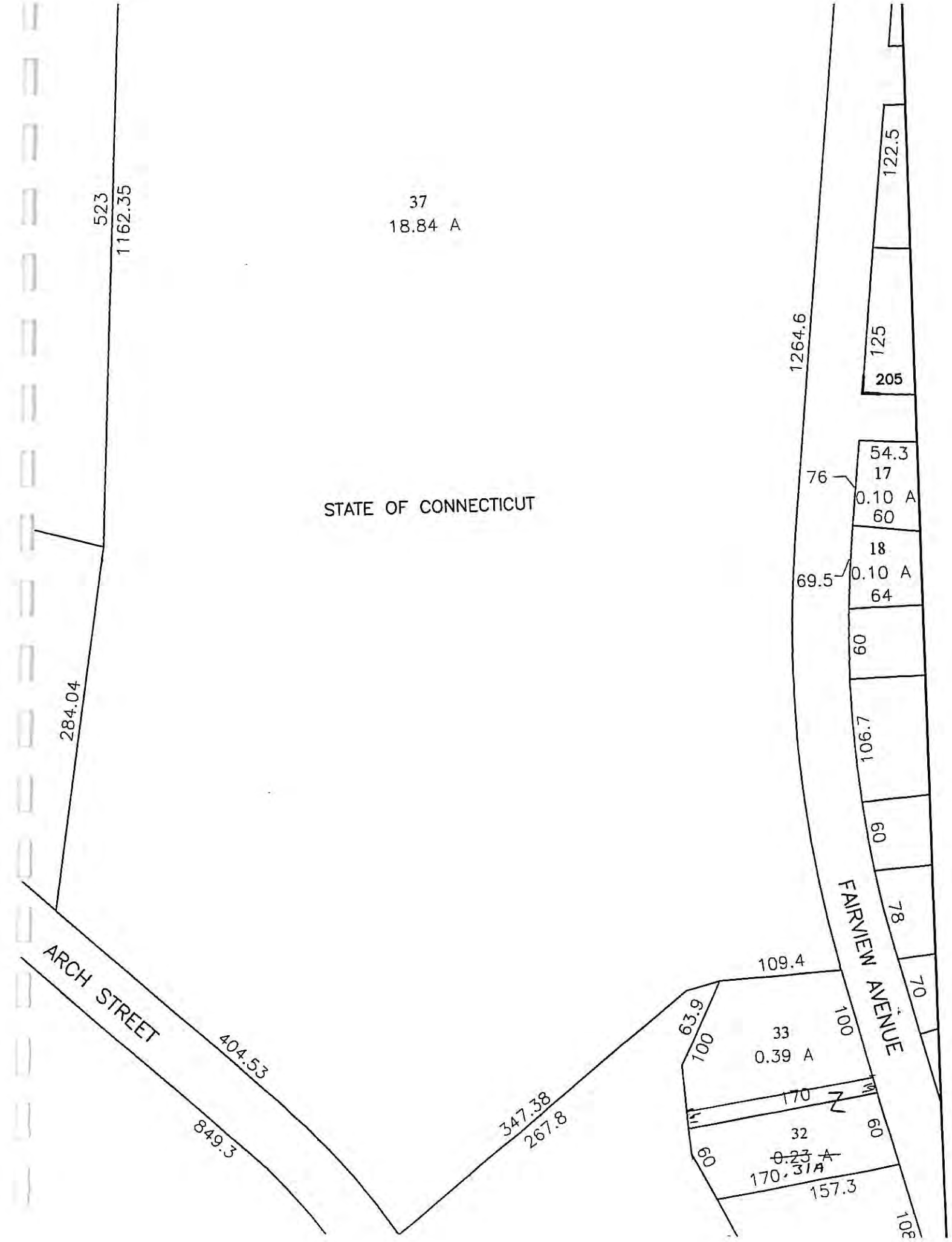
Code	Description	Units
LDL1	LOAD LEVELERS	1
SPR2	WET/CONCEALED	93827
ELV2	PASS ELEV	3

Building Sketch



Subarea Summary

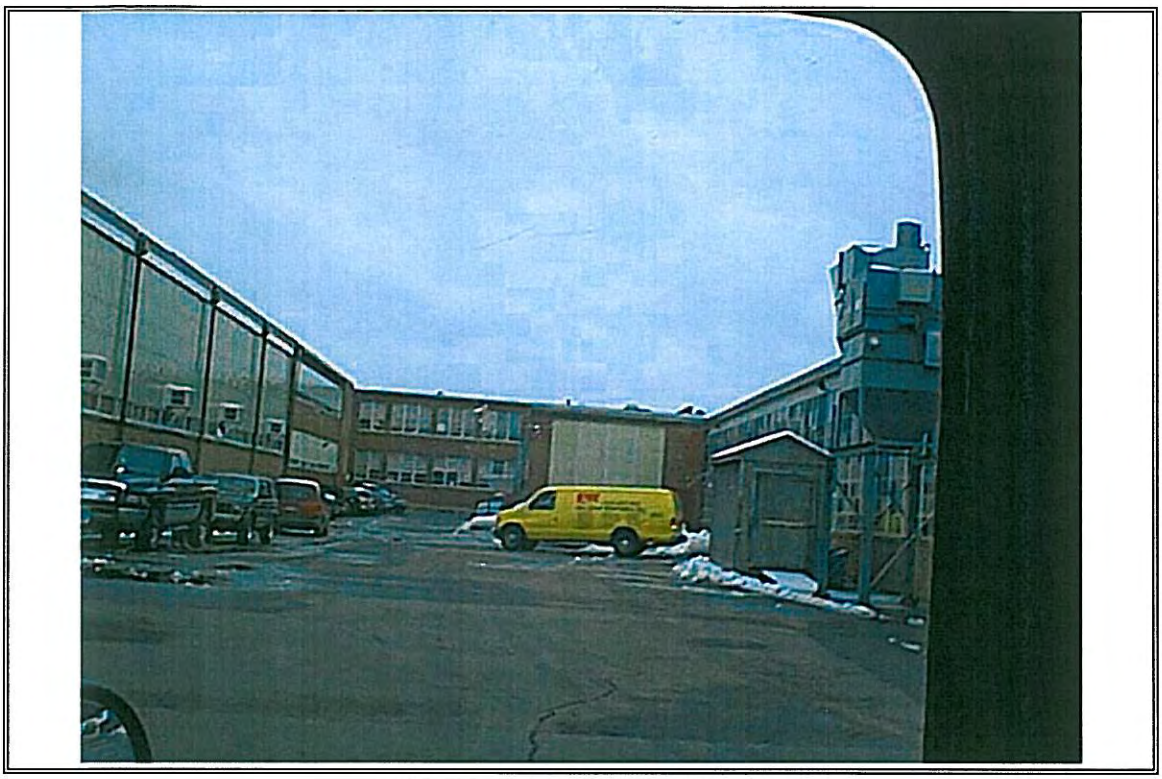
Code	Description	Gross Area	Living Area
BAS	First Floor	140812	140812
CAN	Canopy	216	0
CLP	Loading Platform, Finished	388	0
FOP	Porch, Open	210	0
FUS	Upper Story, Finished	34485	34485
SLB	Slab	78361	0
UBM	Basement, Unfinished	62667	0


37
18.84 A
STATE OF CONNECTICUT
523
1162.35
284.04
1264.6
122.5
125
205
54.3
17
0.10 A
60
76
18
0.10 A
64
69.5
60
106.7
60
78
70
FAIRVIEW AVENUE
ARCH STREET
404.53
849.3
347.38
267.8
109.4
63.9
100
100
33
0.39 A
170
32
~~0.23 A~~
170.31A
60
60
157.3
100

APPENDIX C
PHOTOGRAPHS

Photograph 1 Front of School

Photograph 2 Rear of School



Photograph 3 Rear of School

Photograph 4 Auto body shop, paint booth

Photograph 5 Auto body shop trench drain

Photograph 6 Automotive garage bay doors

Photograph 7 Carpentry shop, chemical storage

Photograph 8 Dental laboratory, chemical storage

Photograph 9 Dental laboratory, chemical storage

Photograph 10 Graphic studio storage cabinet

Photograph 11 Plumbing work shed, chemical storage locker

APPENDIX D

FIRSTSEARCH TECHNOLOGY CORPORATION REPORT

FirstSearch Technology Corporation

Environmental FirstSearch™ Report

TARGET PROPERTY:

71 JONES ROAD

HAMDEN CT 06514

Job Number: 07-203581

PREPARED FOR:

ECSMarin

7 Island Dock Rd.

Haddam, CT 06438

03-18-05

Environmental FIRSTSEARCH Netw

Tel: (781) 320-3720 *Fax: (781) 320-3715*

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Environmental FirstSearch
Search Summary Report

Target Site: 71 JONES ROAD
HAMDEN CT 06514

FirstSearch Summary

Database	Sel	Updated	Radius	Site	1/8	1/4	1/2	1/2>	ZIP	TOTALS
NPL	Y	12-10-04	1.00	0	0	0	0	0	0	0
CERCLIS	Y	01-18-05	0.50	0	0	0	0	-	2	2
NFRAP	Y	06-23-04	0.25	0	0	0	-	-	0	0
RCRA TSD	Y	02-14-05	0.50	0	0	0	0	-	0	0
RCRA COR	Y	02-14-05	1.00	0	0	0	0	0	0	0
RCRA GEN	Y	02-14-05	0.25	1	0	0	-	-	0	1
RCRA NLR	N	02-14-05	0.25	-	-	-	-	-	-	-
ERNS	Y	12-31-04	0.25	0	0	1	-	-	4	5
NPDES	N	01-16-05	0.25	-	-	-	-	-	-	-
FINDS	N	07-16-98	0.25	-	-	-	-	-	-	-
TRIS	N	11-08-04	0.25	-	-	-	-	-	-	-
State Sites	Y	02-22-05	0.50	0	0	0	1	-	0	1
Spills-1990	Y	11-15-04	0.25	3	2	2	-	-	63	70
Spills-1980	N	NA	0.25	-	-	-	-	-	-	-
SWL	Y	01-01-04	0.50	0	0	0	0	-	2	2
Permits	N	04-08-94	0.25	-	-	-	-	-	-	-
Other	N	02-22-05	0.25	-	-	-	-	-	-	-
REG UST/AST	Y	01-11-05	0.25	1	0	1	-	-	0	2
Leaking UST	Y	03-07-05	0.50	0	0	1	7	-	1	9
State Wells	N	02-01-03	0.50	-	-	-	-	-	-	-
Aquifers	N	08-01-04	0.50	-	-	-	-	-	-	-
ACEC	N	07-01-04	0.50	-	-	-	-	-	-	-
Wetlands	N	11-20-00	0.50	-	-	-	-	-	-	-
Floodplains	N	06-26-96	0.50	-	-	-	-	-	-	-
Nuclear Permits	N	04-30-99	0.50	-	-	-	-	-	-	-
Historic/Landmark	N	09-01-02	0.50	-	-	-	-	-	-	-
Federal Land Use	N	10-07-03	0.50	-	-	-	-	-	-	-
Federal Wells	N	05-19-03	0.50	-	-	-	-	-	-	-
Releases(Air/Water)	N	12-31-04	0.25	-	-	-	-	-	-	-
HMIRS	N	03-31-03	0.25	-	-	-	-	-	-	-
NCDB	N	08-30-04	0.25	-	-	-	-	-	-	-
PADS	N	12-21-04	0.25	-	-	-	-	-	-	-
Federal Other	N	12-31-02	0.25	-	-	-	-	-	-	-
Misc	N	02-22-05	0.25	-	-	-	-	-	-	-
Towers	N	08-16-01	0.25	-	-	-	-	-	-	-
Soils	N	12-17-04	0.25	-	-	-	-	-	-	-
Receptors	N	01-01-95	0.50	-	-	-	-	-	-	-
- TOTALS -				5	2	5	8	0	72	92

Notice of Disclaimer

Due to the limitations, constraints, inaccuracies and incompleteness of government information and computer mapping data currently available to FirstSearch Technology Corp., certain conventions have been utilized in preparing the locations of all federal, state and local agency sites residing in FirstSearch Technology Corp.'s databases. All EPA NPL and state landfill sites are depicted by a rectangle approximating their location and size. The boundaries of the rectangles represent the eastern and western most longitudes; the northern and southern most latitudes. As such, the mapped areas may exceed the actual areas and do not represent the actual boundaries of these properties. All other sites are depicted by a point representing their approximate address location and make no attempt to represent the actual areas of the associated property. Actual boundaries and locations of individual properties can be found in the files residing at the agency responsible for such information.

Waiver of Liability

Although FirstSearch Technology Corp. uses its best efforts to research the actual location of each site, FirstSearch Technology Corp. does not and can not warrant the accuracy of these sites with regard to exact location and size. All authorized users of FirstSearch Technology Corp.'s services proceeding are signifying an understanding of FirstSearch Technology Corp.'s searching and mapping conventions, and agree to waive any and all liability claims associated with search and map results showing incomplete and or inaccurate site locations.

Environmental FirstSearch
Site Information Report

Request Date:	03-18-05	**Search Type:**	COORD
Requestor Name:	John Christian	**Job Number:**	07-203581
Standard:	ASTM		

TARGET ADDRESS: 71 JONES ROAD
HAMDEN CT 06514

Demographics

Sites: 92 **Non-Geocoded:** 72 **Population:** NA

Radon: 0.2 - 4.6 PCI/L

Site Location

	Degrees (Decimal)	Degrees (Min/Sec)		UTMs
Longitude:	-72.941756	-72:56:30	**Easting:**	672210.492
Latitude:	41.342985	41:20:35	**Northing:**	4578664.01
			Zone:	18

Comment

Comment:

Additional Requests/Services

Adjacent ZIP Codes: 1 Mile(s)

ZIP Code	City Name	ST	Dist/Dir	Sel
06511	NEW HAVEN	CT	0.54 SE	Y
06515	NEW HAVEN	CT	0.51 NW	Y
06517	HAMDEN	CT	0.38 SE	Y

Services:

	Requested?	Date
Sanborns	Yes	03-18-05
Aerial Photographs	No	
Topographical Maps	No	
City Directories	No	
Title Search	No	
Municipal Reports	No	
Online Topos	No	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

TOTAL: 92 **GEOCODED:** 20 **NON GEOCODED:** 72 **SELECTED:** 2

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
11	UST	ELI WHITNEY REG. VOC. TECH SCHOOL 05620	71 JONES RD. HAMDEN CT 06514	0.00 --	1
5	SPILLS	ELI WHITNEY TECH SCHOOL 200306783/CLOSED	71 JONES RD HAMDEN CT	0.00 --	1
6	SPILLS	ELI-WHITNEY SCHOOL 200306798/CLOSED	71 JONES RD. [ELI-WHITNEY TECH HAMDEN CT	0.00 --	1
10	SPILLS	UNKNOWN 200108283/CLOSED	71 JONES RD, ELI WHITNEY SCHOO HAMDEN CT	0.00 --	1
1	RCRAGN	WHITNEY ELI VOACATIONAL TECH SCHOOL CTD983895228/SGN	71 JONES RD HAMDEN CT 06514	0.00 --	1
4	SPILLS	ANDREW NEMIT 935616/CLOSED	198 FAIRVIEW AVE HAMDEN CT 06514	0.05 NE	5
8	SPILLS	KASDEN ELMCO 944659/CLOSED	121 FIRST ST HAMDEN CT 06514	0.11 SE	9
14	LUST	GRAHAM,ROY 200405074/CLOSED	63 SUNSET RD HAMDEN CT 06514	0.15 NW	7
7	SPILLS	GRAHAM,ROY 200405074/OPEN	63 SUNSET RD HAMDEN CT 06514	0.15 NW	7
2	ERNS	SOUTHERN CT GAS CO 309758/PIPELINE RELATED	NO.84 FIRST ST HAMDEN CT 06604	0.19 SE	2
12	UST	PINE ROCK PROPERTY 09008	225 PINE ROCK AVENUE HAMDEN CT 06514	0.22 SW	14
9	SPILLS	SAA 200404444/CLOSED	36 ROCHFORD AVN HAMDEN CT 06514	0.25 NW	13
17	LUST	ROBERT CLIFFORD 200101555/CLOSED	66 ROCHFORD AVE HAMDEN CT 06518	0.29 NE	12
13	LUST	BARBARA CARMICHAEL 200201863/CLOSED	69 GLEMBY HAMDEN CT 06518	0.33 NE	6
18	LUST	SHELL GAS STATION 200008183/CLOSED	144 ARCH ST. HAMDEN CT 06514	0.33 SE	10
19	LUST	SHELL STATION 1002/YES	ARCH ST HAMDEN CT 06514	0.33 SE	10
15	LUST	HAMDEN CAR WASH [CONTACT - JER 9902833/CLOSED	1090 DIXWELL AVE. HAMDEN CT 06514	0.36 NE	8
3	STATE	IMPERIAL TOOL & SPECIALTY MFG. 1306/SUSPECTED	1013 DIXWELL AVENUE REAR HAMDEN CT 06517	0.38 SE	4
16	LUST	RICHARD CUOMO/CHIMNEY SQ. 200001001/CLOSED	1125 DIXWELL AVE HAMDEN CT	0.40 NE	11
20	LUST	ST.ANNE S CHURH 200207515/CLOSED	DIXWELL AVE ST.ANNE S CHURC HAMDEN CT 06518	0.44 SE	3

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

TOTAL: 92 **GEOCODED:** 20 **NON GEOCODED:** 72 **SELECTED:** 2

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
65	SPILLS	957223/CLOSED	RT 15/MERRITT PARKWAY EX 60 HAMDEN CT	NON GC	
88	SPILLS	954309/CLOSED	RT 15 N/B EX 60-61 HAMDEN CT	NON GC	
91	SWL	CTSW-CL-01-64/CLOSED	WINTERGREEN AVE HAMDEN CT	NON GC	
89	SPILLS	94425/CLOSED	WEST RIDGE PLAZA/APT 1 HAMDEN CT	NON GC	
82	SPILLS	200200986/CLOSED	ROUTE 10 EXIT 62 (UNDER THE OV HAMDEN CT	NON GC	
86	SPILLS	945752/CLOSED	WHITNEY AVE/BROOKSFIELD PK RD HAMDEN CT	NON GC	
84	SPILLS	200105084/CLOSED	QUINAPIACC HEALTH HAMDEN CT	NON GC	
83	SPILLS	200101815/CLOSED	CANAL LINE- 1/2 MILE SOUTH OF HAMDEN CT	NON GC	
68	SPILLS	200102979/CLOSED	SHELL STATION ON SKIFF ST HAMDEN CT 06514	NON GC	
66	SPILLS	200205586/CLOSED	CONNELY PARK WAY BRIDGE HAMDEN CT 06514	NON GC	
87	SPILLS	9800518/CLOSED	RT10 HAMDEN CT	NON GC	
64	SPILLS	9808383/CLOSED	23 202 TOWN WALK DRIVE HAMDEN CT	NON GC	
63	SPILLS	931029/CLOSED	WHITNEY AVE/GOLF COURSE HAMDEN CT	NON GC	
67	SPILLS	200109477/CLOSED	DIXWELL AVE HAMDEN CT 06514	NON GC	
78	SPILLS	200208559/CLOSED	78 ILIHU STREET HAMDEN CT	NON GC	
71	SPILLS	9603354/CLOSED	CRESTWAY ROAD (OFF SHERMAN AV HAMDEN CT 06514	NON GC	
70	SPILLS	921853/CLOSED	CIRCULAR AVE HAMDEN CT 06514	NON GC	
69	SPILLS	200102739/CLOSED	STORAGE SHED ON SKIFF STREET, HAMDEN CT 06514	NON GC	
85	SPILLS	933892/CLOSED	WHITNEY AVE HAMDEN CT	NON GC	
73	SPILLS	9700323/CLOSED	WEST ROCK RIDGE STATE PARK HAMDEN CT 06514	NON GC	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

TOTAL: 92 **GEOCODED:** 20 **NON GEOCODED:** 72 **SELECTED:** 2

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
74	SPILLS	925218/CLOSED	305 BIC DR HAMDEN CT 06514	NON GC	
75	SPILLS	200405798/CLOSED	WHITNEY AND WEST WOODS RD HAMDEN CT	NON GC	
72	SPILLS	9603417/CLOSED	SLATE ST. ROUTE 5 & RIDGE ROAD HAMDEN CT 06514	NON GC	
77	SPILLS	200401861/CLOSED	CANON / PELHAM HAMDEN CT	NON GC	
79	SPILLS	200203411/CLOSED	MILL RIVER HAMDEN CT	NON GC	
80	SPILLS	200202835/CLOSED	295 MORRIS STREET HAMDEN CT	NON GC	
81	SPILLS	200202755/CLOSED	31 HOWARD AVENUE HAMDEN CT	NON GC	
76	SPILLS	200404476/CLOSED	WHITE STREET NEAR WHITNEY HAMDEN CT	NON GC	
27	SPILLS	ALLEGED THOREAU & COMPANY 200106927/CLOSED	RESANDO DRIVE HAMDEN CT	NON GC	
28	SPILLS	ANCAR, INC. 200304088/CLOSED	55 COLONY ROAD HAMDEN CT	NON GC	
23	ERNS	ARMCO 619079/UNKNOWN (EPA REGIONS	UNKNOWN HAMDEN CT	NON GC	
29	SPILLS	BEA S INC 943321/CLOSED	DIXWELL AVE HAMDEN CT	NON GC	
30	SPILLS	BRENNAN CONSTR 915099/CLOSED	WHITNEY AVE HAMDEN CT	NON GC	
31	SPILLS	BROADBENT 9705908/CLOSED	44 ALGEN ST HAMDEN CT 06514	NON GC	
21	*CERCLIS*	*BRYDEN AND MORSE STREETS* *CTN000103143/NOT PROPOSED*	*BRYDEN TERRACE, MORSE STREET,* *HAMDEN CT 06517*	*NON GC*	
32	SPILLS	CAR FIRE 200207423/CLOSED	ROUTE 15 NORTHBOUND EXIT 60 ON HAMDEN CT	NON GC	
33	SPILLS	DUMPING 200102293/CLOSED	MOUNTAIN ROAD HAMDEN CT 06514	NON GC	
24	ERNS	EASTERN OIL COMPANY 567130/UNKNOWN	WHITNEY AVE HAMDEN CT	NON GC	
25	ERNS	EASTERN OIL COMPANY 596699/UNKNOWN (NRC)	WHITNEY AVE HAMDEN CT	NON GC	
90	SWL	HAMDEN, TOWN OF CTSW-PE-01-92/PERMIT	HAMDEN CT	NON GC	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

TOTAL: 92 **GEOCODED:** 20 **NON GEOCODED:** 72 **SELECTED:** 2

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
34	SPILLS	KASDEN 9603322/CLOSED	PUMP FAILURE HAMDEN CT 06514	NON GC	
35	SPILLS	KASDEN ELMCO 924706/CLOSED	118 ORSINI DR HAMDEN CT	NON GC	
36	SPILLS	KASDEN ELMCO 95911/CLOSED	84 CAMPSTONE DRIVE HAMDEN CT	NON GC	
37	SPILLS	M & M OIL COMPANY 200000518/CLOSED	GORHAM DRIVE HAMDEN CT 06514	NON GC	
92	LUST	M AND R FOODS 1018/YES	168 PEABODY HAMDEN CT	NON GC	
38	SPILLS	MR MISDOLO 934614/CLOSED	54 CORMLEY ST HAMDEN CT	NON GC	
39	SPILLS	PETRO PLUS 911524/CLOSED	UI SKIFF ST HAMDEN CT 06514	NON GC	
40	SPILLS	PRIVATE AUTO 9700462/CLOSED	WHITNEY AVE.& NORTH AVE. HAMDEN CT 06514	NON GC	
26	ERNS	PRIVATE CITIZEN D51006/UNKNOWN	181 C FOSTER RD. HAMDEN CT	NON GC	
41	SPILLS	PRIVATE CONSTRUCTION CO 912429/CLOSED	RT 10 CONSTRUCTION SIGHT HAMDEN CT	NON GC	
42	SPILLS	QUEST DIAGNOSTIC LABS 200303241/CLOSED	300 DIXWELL AVE HAMDEN CT	NON GC	
43	SPILLS	REGIONAL WATER AUTHORITY 954918/CLOSED	RT 10 HAMDEN CT	NON GC	
44	SPILLS	ROB KESSELMAN 947446/CLOSED	72 SPRINGLAND TERRACE HAMDEN CT	NON GC	
22	*CERCLIS*	*ROSEM* *CTN000103142/NOT PROPOSED*	*MORSE STREET* *HAMDEN CT 06517*	*NON GC*	
45	SPILLS	SAA 200206975/CLOSED	HAIG STREET HAMDEN CT 06514	NON GC	
46	SPILLS	SAME / HOMEOWNER NAME? 200203059/CLOSED	COMPUTER FAILURE DELETED HAMDEN CT	NON GC	
47	SPILLS	SEABOARD OIL 200201747/CLOSED	200 BENSON STREET HAMDEN CT	NON GC	
48	SPILLS	TOWN PUBLIC WORKS 200407525/CLOSED	WOODLAWN AND WHITNEY AVE, FERN HAMDEN CT	NON GC	
51	SPILLS	UNITED ILLUMINATING 91588/CLOSED	BENHAM ST HAMDEN CT 06514	NON GC	
50	SPILLS	UNITED ILLUMINATING 944584/CLOSED	BENHAM ST HAMDEN CT 06514	NON GC	

Environmental FirstSearch
Sites Summary Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

TOTAL: 92 **GEOCODED:** 20 **NON GEOCODED:** 72 **SELECTED:** 2

ID	DB Type	Site Name/ID/Status	Address	Dist/Dir	Map ID
49	SPILLS	UNITED ILLUMINATING 912662/CLOSED	WHITNEY AVE HAMDEN CT	NON GC	
52	SPILLS	UNK 9805892/CLOSED	CHERRY ANN ST & (CITY PARK) HAMDEN CT	NON GC	
56	SPILLS	UNKNOWN 200003355/CLOSED	MAIN ST. [LAKE WINTERGREEN PA HAMDEN CT	NON GC	
57	SPILLS	UNKNOWN 9805402/CLOSED	WHITNEY AVE. [BELOW DAM] HAMDEN CT	NON GC	
58	SPILLS	UNKNOWN 9703282/CLOSED	MIDDLE OF ROAD BENHAM STREET HAMDEN CT	NON GC	
59	SPILLS	UNKNOWN 9701961/CLOSED	RT.40 & RT.10 HAMDEN CT	NON GC	
60	SPILLS	UNKNOWN 9701960/CLOSED	RT.40 & RT.10 HAMDEN CT	NON GC	
54	SPILLS	UNKNOWN 9605623/CLOSED	CHURCH ST HAMDEN CT 06514	NON GC	
53	SPILLS	UNKNOWN 9800665/CLOSED	HAMDEN PARK DRIVE OFF MORSE ST HAMDEN CT	NON GC	
55	SPILLS	UNKNOWN 200105379/CLOSED	MAIN STREET AND BRINSMAND DRIV HAMDEN CT	NON GC	
61	SPILLS	UNKNOWN TRUCK 200405181/CLOSED	WARNERTON ST. HAMDEN CT	NON GC	
62	SPILLS	WASTE MANAGEMENT 200104056/CLOSED	SHEPARD AVENUE HAMDEN CT 06514	NON GC	

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 11 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME: ELI WHITNEY REG. VOC. TECH SCHOOL
ADDRESS: 71 JONES RD.
NEW HAVEN CT 06514
CONTACT:

REV: 1/11/05
ID1: 05620
ID2:
STATUS:
PHONE:

TOTAL NUMBER OF TANKS: 6

TANK ID: 1
TANK STATUS: PERMANENTLY OUT OF USE-REMOVED

DATE INSTALLED:	1/1/1956	**DATE LAST USED:**	3/1/1993
SUBSTANCE STORED:	HEATING OIL	**CAPACITY (GALS):**	15000
TANK MATERIAL:	ASPHALT COATED OR BARE STEEL	**TANK PROTECTION:**	NONE
PIPE MATERIAL:	UNKNOWN	**PIPE PROTECTION:**	NONE

TANK ID: 2
TANK STATUS: PERMANENTLY OUT OF USE-TANK REMOVED FROM GROUND

DATE INSTALLED:	3/1/1993	**DATE LAST USED:**	11/1/1999
SUBSTANCE STORED:	HEATING OIL	**CAPACITY (GALS):**	15000
TANK MATERIAL:	FIBERGLASS REINFORCED PLASTIC	**TANK PROTECTION:**	NONE
PIPE MATERIAL:	OTHER	**PIPE PROTECTION:**	SECONDARY CONTAINMENT

TANK ID: 3
TANK STATUS: PERMANENTLY OUT OF USE-REMOVED

DATE INSTALLED:	7/1/1984	**DATE LAST USED:**	3/1/1993
SUBSTANCE STORED:	HEATING OIL	**CAPACITY (GALS):**	2000
TANK MATERIAL:	ASPHALT COATED OR BARE STEEL	**TANK PROTECTION:**	NONE
PIPE MATERIAL:	UNKNOWN	**PIPE PROTECTION:**	NONE

TANK ID: 4
TANK STATUS: PERMANENTLY OUT OF USE-REMOVED

DATE INSTALLED:	1/1/1957	**DATE LAST USED:**	3/1/1993
SUBSTANCE STORED:	USED OIL	**CAPACITY (GALS):**	550
TANK MATERIAL:	ASPHALT COATED OR BARE STEEL	**TANK PROTECTION:**	NONE
PIPE MATERIAL:	UNKNOWN	**PIPE PROTECTION:**	NONE

TANK ID: 5
TANK STATUS: CURRENTLY IN USE-

DATE INSTALLED:	3/1/1993	**DATE LAST USED:**	
SUBSTANCE STORED:	USED OIL	**CAPACITY (GALS):**	550
TANK MATERIAL:	CATHODICALLY PROTECTED STEEL	**TANK PROTECTION:**	NONE
PIPE MATERIAL:	BARE STEEL	**PIPE PROTECTION:**	SECONDARY CONTAINMENT

TANK ID: 6

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 11 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME: ELI WHITNEY REG. VOC. TECH SCHOOL
ADDRESS: 71 JONES RD.
NEW HAVEN CT 06514
CONTACT:

REV: 1/11/05
ID1: 05620
ID2:
STATUS:
PHONE:

TANK STATUS: PERMANENTLY OUT OF USE-REMOVED

DATE INSTALLED:	1/1/1956	**DATE LAST USED:**	3/1/1993
SUBSTANCE STORED:	GASOLINE	**CAPACITY (GALS):**	250
TANK MATERIAL:	ASPHALT COATED OR BARE STEEL	**TANK PROTECTION:**	NONE
PIPE MATERIAL:	UNKNOWN	**PIPE PROTECTION:**	NONE

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

STATE SPILLS SITE

SEARCH ID: 6 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME: ELI-WHITNEY SCHOOL
ADDRESS: 71 JONES RD. [ELI-WHITNEY TECHNICAL SCHOOL]
HAMDEN CT
CONTACT: LECLERC, KEN

REV: 11/15/04
ID1: 200306798
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

DATE OF RELEASE: 9/16/2003
TIME OF RELEASE:
ACTION: REMOVED

DISHCHARGER: ELI-WHITNEY SCHOOL
S.A.A.
HAMDEN CT 06514

DISCHARGER S PHONE: 0000000
ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 9/16/2003
TIME OF RELEASE:
ACTION: CONTAINED

DISHCHARGER: ELI-WHITNEY SCHOOL
S.A.A.
HAMDEN CT 06514

DISCHARGER S PHONE: 0000000
ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 9/16/2003
TIME OF RELEASE:
ACTION: CONTRACTED

DISHCHARGER: ELI-WHITNEY SCHOOL
S.A.A.
HAMDEN CT 06514

DISCHARGER S PHONE: 0000000
ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 1:23:00 PM
REPORTED BY: STEVE CURRY
REPORTER S PHONE: 8072218

MATERIAL RELEASED: MERCURY
QUANTITY SPILLED: 0.01 LB

CAUSE OF INCIDENT: OTHER

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

STATE SPILLS SITE

SEARCH ID: 5 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME: ELI WHITNEY TECH SCHOOL
ADDRESS: 71 JONES RD
HAMDEN CT

CONTACT: CHANDLER, JEFF

REV: 11/15/04
ID1: 200306783
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

DATE OF RELEASE: 9/16/2003
TIME OF RELEASE:
ACTION: CONTRACTED

DISHCHARGER: ELI WHITNEY TECH SCHOOL

CT

DISCHARGER S PHONE:
ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 9/16/2003 1:00:33 PM
REPORTED BY: DISP
REPORTER S PHONE: 2304000

MATERIAL RELEASED: MERCURY
CAUSE OF INCIDENT: CONTAINER FAILURE

EMERGENCY MEASURES: BROKEN THERMOSTAT

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

STATE SPILLS SITE

SEARCH ID: 10 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME: UNKNOWN
ADDRESS: 71 JONES RD, ELI WHITNEY SCHOOL
HAMDEN CT

CONTACT: NO RESPONSE

REV: 11/15/04
ID1: 200108283
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

DATE OF RELEASE: 10/18/2001
TIME OF RELEASE:
ACTION: OTHER

DISHCHARGER: UNKNOWN

CT

DISCHARGER S PHONE:
ACCEPTS RESPONSIBILITY:

REPORT TIME: 10/18/2001 11:04:12 AM
REPORTED BY: 335
REPORTER S PHONE: 2304000

MATERIAL RELEASED: UNKNOWN WHITE POWDER IN LETTER
CAUSE OF INCIDENT: DUMPING

EMERGENCY MEASURES: LETTER/ POWDER ISOLATED AREA CT STATE P.D. EMERGENCY SERVICES UNIT RESPONDED

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

STATE SPILLS SITE

SEARCH ID: 6 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME: ELI-WHITNEY SCHOOL
ADDRESS: 71 JONES RD. [ELI-WHITNEY TECHNICAL SCHOOL]
HAMDEN CT

CONTACT: LECLERC, KEN

REV: 11/15/04
ID1: 200306798
ID2:
STATUS: CLOSED
PHONE:

EMERGENCY MEASURES: CONTRACTED [CLEAN HARBORS]; REMOVED.

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

RCRA GENERATOR SITE

SEARCH ID: 1 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME:	WHITNEY ELI VOACATIONAL TECH SCHOOL	**REV:**	2/14/05
ADDRESS:	71 JONES RD HAMDEN CT 06514	**ID1:**	CTD983895228
		ID2:	
		STATUS:	SGN
CONTACT:	MICHAEL PEPE	**PHONE:**	2033974015

SITE INFORMATION

CONTACT INFORMATION: MICHAEL PEPE
71 JONES RD
HAMDEN CT 06514

PHONE: 2033974015

UNIVERSE INFORMATION:

SNC:	N
BOYSNC:	N
GPRA PERMIT:	N
GPRA POSTCLOSURE:	N
GPRA CA:	N
GPRA CME:	N
PERM PROG:	-----
PREM WRKLD:	-----
CLOSURE WRKLD:	-----
P C WRKLD:	-----
SUBJCA:	N
SUBJCA TSD 3004:	N
SUBJCA NON TSD:	N
CA WRKLD:	N
GEN STATUS:	SQG - SMALL QUANTITY GENERATOR: GENERATES 100 - 1000 KG/MONTH OF HAZARDOUS WASTE

IMPORTER ACTIVITY:	U - UNKNOWN	**MIX WASTE GEN:**	U - UNKNOWN
RECYCLER ACT:	N - NO	**TRANS ACT:**	N - NO
TSD ACT:	N - NO	**U GRND INJ ACT:**	N - NO
UNIV WASTE FAC:		**TRANSFER FAC:**	U - UNKNOWN
OS BURNER EXEMPT:	U - UNKNOWN	**FURNACE EXEMP:**	U - UNKNOWN

USED OIL INFORMATION

BURNER:	N - NO	**PROCESSOR:**	N - NO
REFINER:	N - NO	**MARKET BURNER:**	N - NO
SPEC MARKETER:	N - NO	**TRANSFER FAC:**	N - NO
TRANSPORTER:	N - NO		

NAIC INFORMATION

SECOND ID:		**OFF SITE RECEIPT:**	U - UNKNOWN
ACCESSIBILITY:		**COUNTY OWNER:**	
FED WSTE GEN OWNER:	HQ	**FED WASTE GEN:**	2

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

RCRA GENERATOR SITE

SEARCH ID: 1 **DIST/DIR:** 0.00 -- **MAP ID:** 1

NAME: WHITNEY ELI VOACATIONAL TECH SCHOOL
ADDRESS: 71 JONES RD
HAMDEN CT 06514
CONTACT: MICHAEL PEPE

REV: 2/14/05
ID1: CTD983895228
ID2:
STATUS: SGN
PHONE: 2033974015

STATE WSTE GEN OWNER:

STATE WSTE GEN:

ENFORCEMENT INFORMATION:

VIOLATION INFORMATION:

HAZARDOUS WASTE INFORMATION:

D000
Ignitable waste
Cadmium
Benzene
Tetrachloroethylene
Lead

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

STATE SPILLS SITE

SEARCH ID: 4 **DIST/DIR:** 0.05 NE **MAP ID:** 5

NAME: ANDREW NEMIT
ADDRESS: 198 FAIRVIEW AVE
HAMDEN CT

CONTACT: ANDREW NEMIT

REV: 3/13/01
ID1: 935616
ID2:
STATUS: CLOSED
PHONE: 203 397 1534

SITE INFORMATION

INSPECTOR S BADGE NUMBER: 922
REPORT DATE: 10/09/93
REPORT TIME: 8
ACTUAL TIME: 46
REPORTER: DISP LEE
FIRE DEPT
CIRCULAR AVE
HAMDEN CT

WORK PHONE: 203 281 4221
HOME PHONE:
POLE NUMBER:
INCIDENT TYPE: PETROLEUM
DISCHARGED: #2 FUEL OIL
GALLONS: 200
YARDS:
POUNDS:
CON:
DRUMS:
FEDRAL:
CERCLA:
ACROSS PROPERTY LINES:
EMERGENCY CLEANUP:
REP QUAN:
TOTAL POUNDS:

DESCRIPTION:

DATE: 10/09/93
DATE UNKNOWN:
CONTINUOUS SPILL:
SPILL TIME:
RELEASE TERMINATED: Y
ONGOING RELEASE:
UNKNOWN:
CONTAINED: Y

ADDITIONAL INFORMATION: FD ON SCENE REQUESTING RESPONSE BASEMENT TANK RUPTRDOIL HAS SEEPED THROUGH FLOOR BOARDS UNK WHERE IT IS GOING SPEEDI DRI PUT DOWN BY FD

WATERBODY: FLOOR DRAIN
RIVER:
LIS:
TRIBUTARY:
CATCH BASIN:
POND:
AIR:
SURFACE WATER: Y
GROUND WATER:
GROUND SURFACE:
INSIDE BUILDING: Y
OTHER AREA:
TOTAL IN WATER:
TOTAL RECOVERED FROM WATER: 50
TOTAL RECOVERED: 50
RESPONSIBLE PARTY: ANDREW NEMIT
198 FAIRVIEW AVE
HAMDEN CT

PHONE: 203 397 1534
ACCEPT RESPONSIBILITY: Y
POLLUTER UNKNOWN:
CLEANUP ACTION TAKEN: CONTAINED/REMOVED
DUN BRAD:
NOTIFIED FEDERAL GOVERNMENT:

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

STATE SPILLS SITE

SEARCH ID: 4 **DIST/DIR:** 0.05 NE **MAP ID:** 5

NAME: ANDREW NEMIT
ADDRESS: 198 FAIRVIEW AVE
HAMDEN CT
CONTACT: ANDREW NEMIT

REV: 3/13/01
ID1: 935616
ID2:
STATUS: CLOSED
PHONE: 203 397 1534

NOTIFIED COAST GAURD:
NOTIFIED LOCAL FIRE DEPT:
NOTIFIED ATTORNEY GENERAL:
NOTIFIED STATE DOHS:
NOTIFIED STATE AIR BUREAU:
NOTIFIED WEED HAZ WASTE:
PERMITTING NOTIFIED:
NOTIFIED SOLID WASTE RECOVERY:
NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFICATION TIME:
DISCHARGE CLASS: PRIVATE

NOTIFIED FIRE MARSHALL:
NOTIFIED POLICE:
NOTIFIED AQUACULTURE:
NOTIFIED STATE WATER BUREAU:
NOTIFIED STATE WASTE BUREAU:
NOTIFIED WEED SOLID WASTE:
NOTIFIED UST UNIT:
NOTIFIED ENVIRONMENTAL CONSERVATION:
NOTIFIED F-W:
NOTIFIED OTHER:
NOTIFICATION DATE:

CAUSE: ABOVE GROUND FAILURE

CORRECTIVE ACTION TAKEN: CONTAINED/REMOVED CONTRACTED

CONTRACTOR: Y
DID DEP HIRE CONT: N
WHEN CONT REQUESTED:
ARRIVED:
RECEIVED BY:
ASSIGNED DATE:
NOT 911 EMERGENCY:
CT EMERGENCY SPILLFUND USED:
CASE NUMBER 2:
PIN:
INC CODE:
OTHER OWNER:
PROP NAME:

CONT NAME: ENV PRODS/SVC
HIRE DATE:
SECOND REQUEST:
ARRIVED SECOND TIME:
BADGE NUMBER: 922
ASSIGNED TIME:
NOTIFICATION STATUS:
CASE NUMBER:
FED GOV PAID:
COST RECOVERY EXPENDITURE:
PROPERTY OWNER:

WAS POLLUTER A TRUCK:
OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
VEHICLE MODEL:
TRAILER REGISTRATION:
DATE UPDATED: 10/09/93
QUAN FET:

WAS POLLUTER A TRAILER:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:
UPDATED WITH INSPECTORS REPORT: Y
COPY: 2

MISCELLANEOUS INFORMATION: AFTER DELIVERY BY BUY RITE OIL MR NEMIT NOTICED OIL TANK WAS LEAKING (POSSIBLY FROM OVERFILL OR CLOGGED VENT LINE TANK HAD BECOME OVERPRESSURIZED & EXPANDED LOSING APPRX 200 GAL WHICH TRAVELED THRU

BASEMENT 50 GAL INTO FLOOR DRAIN MR NEMIT HIRED ENV PRODS/SVC TO REMOVE FREE PRPROD & CLEAN UP SPEEDI DRI & CONTAM FURNISHINGS IN BASEMENT MR NEMIT WAS ALSO ADVISED TO NOTIFY HIS INS CO

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

STATE SPILLS SITE

SEARCH ID: 8 **DIST/DIR:** 0.11 SE **MAP ID:** 9

NAME: KASDEN ELMCO
ADDRESS: 121 FIRST ST
HAMDEN CT

CONTACT: KASDEN ELMCO

REV: 3/13/01
ID1: 944659
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

INSPECTOR S BADGE NUMBER: NR
REPORT DATE: 08/12/94
REPORT TIME: 18
ACTUAL TIME: 34
REPORTER: REYNOLDS
KASDEN ELMCO
212 ELM ST
NORTH HAVEN CT 6473

WORK PHONE: 203 234 9276
HOME PHONE:
POLE NUMBER:
INCIDENT TYPE: PETROLEUM
DISCHARGED: #2 FUEL OIL
GALLONS: 4
YARDS:
POUNDS:
CON:
DRUMS:
FEDRAL:
CERCLA:
ACROSS PROPERTY LINES:
EMERGENCY CLEANUP:
REP QUAN:
TOTAL POUNDS:

DESCRIPTION:

DATE: 08/12/94
DATE UNKNOWN:
CONTINUOUS SPILL:
SPILL TIME: 1530
RELEASE TERMINATED: Y
ONGOING RELEASE:
UNKNOWN:
CONTAINED: Y

ADDITIONAL INFORMATION:

WATERBODY:
RIVER:
LIS:
TRIBUTARY:
CATCH BASIN:
POND:
AIR:
SURFACE WATER:
GROUND WATER:
GROUND SURFACE: Y
INSIDE BUILDING:
OTHER AREA:
TOTAL IN WATER:
TOTAL RECOVERED FROM WATER:
TOTAL RECOVERED: 4
RESPONSIBLE PARTY: KASDEN ELMCO
212 ELM ST
NORTH HAVEN CT 6473

PHONE:
ACCEPT RESPONSIBILITY: Y
POLLUTER UNKNOWN:
CLEANUP ACTION TAKEN: CONTAINED/REMOVED
DUN BRAD:
NOTIFIED FEDERAL GOVERNMENT:
NOTIFIED COAST GAURD:
NOTIFIED FIRE MARSHALL:

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

STATE SPILLS SITE

SEARCH ID: 8 **DIST/DIR:** 0.11 SE **MAP ID:** 9

NAME: KASDEN ELMCO
ADDRESS: 121 FIRST ST
HAMDEN CT
CONTACT: KASDEN ELMCO

REV: 3/13/01
ID1: 944659
ID2:
STATUS: CLOSED
PHONE:

NOTIFIED LOCAL FIRE DEPT:
NOTIFIED ATTORNEY GENERAL:
NOTIFIED STATE DOHS:
NOTIFIED STATE AIR BUREAU:
NOTIFIED WEED HAZ WASTE:
PERMITTING NOTIFIED:
NOTIFIED SOLID WASTE RECOVERY:
NOTIFIED P-F:
NOTIFIED OPS:
NOTIFIED STATE AGENCIES:
NOTIFICATION TIME:
DISCHARGE CLASS: COMMERCIAL

CAUSE: OVERFILL

CORRECTIVE ACTION TAKEN: CONTAINED/REMOVED

NOTIFIED POLICE:
NOTIFIED AQUACULTURE:
NOTIFIED STATE WATER BUREAU:
NOTIFIED STATE WASTE BUREAU:
NOTIFIED WEED SOLID WASTE:
NOTIFIED UST UNIT:
NOTIFIED ENVIRONMENTAL CONSERVATION:
NOTIFIED F-W:
NOTIFIED OTHER:
NOTIFICATION DATE:

CONTRACTOR:
DID DEP HIRE CONT:
WHEN CONT REQUESTED:
ARRIVED:
RECEIVED BY:
ASSIGNED DATE:
NOT 911 EMERGENCY:
CT EMERGENCY SPILLFUND USED:
CASE NUMBER 2:
PIN:
INC CODE:
OTHER OWNER:
PROP NAME:

CONT NAME:
HIRE DATE:
SECOND REQUEST:
ARRIVED SECOND TIME:
BADGE NUMBER:
ASSIGNED TIME:
NOTIFICATION STATUS:
CASE NUMBER:
FED GOV PAID:
COST RECOVERY EXPENDITURE:
PROPERTY OWNER:

WAS POLLUTER A TRUCK:
OWNER OF TRUCK/TRAILER:
OPERATORS NAME:
VEHICLE MODEL:
TRAILER REGISTRATION:
DATE UPDATED:
QUAN FET:

WAS POLLUTER A TRAILER:
OWNERS NAME:
MAKE OF VEHICLE:
TRUCK REGISTRATION:
UPDATED WITH INSPECTORS REPORT:
COPY: W

MISCELLANEOUS INFORMATION:

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 14 **DIST/DIR:** 0.15 NW **MAP ID:** 7

NAME: GRAHAM,ROY
ADDRESS: 63 SUNSET RD
HAMDEN CT 06518
CONTACT: 927

REV: 3/7/05
ID1: 200405074
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

DATE OF RELEASE:	7/26/2004
TIME OF RELEASE:	
DISHCHARGER:	GRAHAM,ROY
	CT
DISCHARGER S PHONE:	203 3877865
ACCEPTS RESPONSIBILITY:	YES
MATERIAL RELEASED (GAL):	#2 FUEL OIL 0
CAUSE OF INCIDENT:	3 - INGROUND TANK FAILURE
OTHER:	
REPORT TIME:	7/26/2004 4:05:05 PM
REPORTED BY:	TOM FINNICAN
REPORTER S PHONE:	3846020
AGENCY NOTIFIED:	3 - LOCAL FIRE MARSHAL
OTHER:	
DEP BUREAU:	
DEP DIVISIPN:	
ACTION TAKEN:	17 - REMOVED TANK
OTHER:	
ACTION TAKEN:	18 - SOIL REMOVED
OTHER:	
EMERGENCY MEASURES:	TANK AND SOIL, REMOVAL
RELEASE CLASS:	6 - PRIVATE
MEDIA AFFECTED:	6 - OTHER
WATERBODY AFFECTED:	9 - OTHER

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

STATE SPILLS SITE

SEARCH ID: 7 **DIST/DIR:** 0.15 NW **MAP ID:** 7

NAME: GRAHAM,ROY
ADDRESS: 63 SUNSET RD
HAMDEN CT

CONTACT: THIGPEN, DONNELL

REV: 11/15/04
ID1: 200405074
ID2:
STATUS: OPEN
PHONE:

SITE INFORMATION

DATE OF RELEASE: 7/26/2004
TIME OF RELEASE:
ACTION: REMOVED TANK

DISHCHARGER: GRAHAM,ROY

CT

DISCHARGER S PHONE: 3877865
ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 7/26/2004
TIME OF RELEASE:
ACTION: SOIL REMOVED

DISHCHARGER: GRAHAM,ROY

CT

DISCHARGER S PHONE: 3877865
ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 7/26/2004 4:05:05 PM
REPORTED BY: TOM FINNICAN
REPORTER S PHONE: 3846020

MATERIAL RELEASED: #2 FUEL OIL
QUANTITY SPILLED: 15 YARDS

CAUSE OF INCIDENT: INGROUND TANK FAILURE

EMERGENCY MEASURES: TANK AND SOIL, REMOVAL

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

EMERGENCY RESPONSE NOTIFICATION SITE

SEARCH ID: 2 **DIST/DIR:** 0.19 SE **MAP ID:** 2

NAME: SOUTHERN CT GAS CO
ADDRESS: NO.84 FIRST ST
HAMDEN CT 06604
NEW HAVEN
CONTACT:

REV: 3/25/93
ID1: 309758
ID2:
STATUS: PIPELINE RELATED
PHONE:

SPILL INFORMATION

DATE OF SPILL: 3/25/93 **TIME OF SPILL:** 1534

PRODUCT RELEASED (1): NATURAL GAS
QUANTITY (1): 0
UNITS (1): UNK

PRODUCT RELEASED (2):
QUANTITY (2):
UNITS (2):

PRODUCT RELEASED (3):
QUANTITY (3):
UNITS (3):

MEDIUM/MEDIA AFFECTED

AIR: NO **GROUNDWATER:** NO
LAND: NO **FIXED FACILITY:** NO
WATER: NO **OTHER:** YES
WATERBODY AFFECTED BY RELEASE: SINGLE FAMILY HOUSE

CAUSE OF RELEASE

DUMPING: NO **EQUIPMENT FAILURE:** NO
NATURAL PHENOMENON: NO **OPERATOR ERROR:** NO
OTHER CAUSE: NO **TRANSP. ACCIDENT:** NO
UNKNOWN: NO

ACTIONS TAKEN: F/D ON SCENE, COMPANY INVESTIGATING CAUSE
RELEASE DETECTION: EXPLOSION AND FIRE OF A SINGLE FAMILY HOUSE
MISC. NOTES:

DISCHARGER INFORMATION

DISCHARGER ID: 309758 **DUN & BRADSTREET #:**
TYPE OF DISCHARGER: PUBLIC UTILITY
NAME OF DISCHARGER: SOUTHERN CT GAS CO
ADDRESS: 855 MAIN ST
BRIDGEPORT CT 06604

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

REGISTERED UNDERGROUND STORAGE TANKS

SEARCH ID: 12 **DIST/DIR:** 0.22 SW **MAP ID:** 14

NAME: PINE ROCK PROPERTY
ADDRESS: 225 PINE ROCK AVENUE
NEW HAVEN CT 06514
CONTACT:

REV: 1/11/05
ID1: 09008
ID2:
STATUS:
PHONE:

TOTAL NUMBER OF TANKS: 1

TANK ID: 1
TANK STATUS: PERMANENTLY OUT OF USE-CLOSED IN PLACE

DATE INSTALLED: 1/1/1950
SUBSTANCE STORED: GASOLINE
TANK MATERIAL: UNKNOWN
PIPE MATERIAL: UNKNOWN

DATE LAST USED: 1/1/1950
CAPACITY (GALS): 1
TANK PROTECTION: NONE
PIPE PROTECTION: NONE

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

STATE SPILLS SITE

SEARCH ID: 9 **DIST/DIR:** 0.25 NW **MAP ID:** 13

NAME: SAA
ADDRESS: 36 ROCHFORD AVN
HAMDEN CT

CONTACT: NO RESPONSE

REV: 11/15/04
ID1: 200404444
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

DATE OF RELEASE: 7/2/2004
TIME OF RELEASE:
ACTION: REMOVED

DISHCHARGER: SAA

HAMDEN CT 06514

DISCHARGER S PHONE:
ACCEPTS RESPONSIBILITY: YES

SITE INFORMATION

DATE OF RELEASE: 7/2/2004
TIME OF RELEASE:
ACTION: SANDED

DISHCHARGER: SAA

HAMDEN CT 06514

DISCHARGER S PHONE:
ACCEPTS RESPONSIBILITY: YES

REPORT TIME: 7/2/2004 10:50:30 AM
REPORTED BY: MARK BINKOWSKI
REPORTER S PHONE: 9343835

MATERIAL RELEASED: #2 FUEL OIL
QUANTITY SPILLED: 1 GAL

CAUSE OF INCIDENT: OTHER

EMERGENCY MEASURES:

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 17 **DIST/DIR:** 0.29 NE **MAP ID:** 12

NAME: ROBERT CLIFFORD
ADDRESS: 66 ROCHFORD AVE
HAMDEN CT 06518

CONTACT: NO RESPONSE

REV: 3/7/05
ID1: 200101555
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

DATE OF RELEASE: 3/14/2001
TIME OF RELEASE:

DISHCHARGER: ROBERT CLIFFORD
SAA
CT

DISCHARGER S PHONE: 203 3973771
ACCEPTS RESPONSIBILITY: YES

MATERIAL RELEASED (GAL): #2 FUEL OIL 0

CAUSE OF INCIDENT: 3 - INGROUND TANK FAILURE
OTHER:

REPORT TIME: 3/14/2001 10:22:04 AM
REPORTED BY: DEANNA HILLER
REPORTER S PHONE: 8829391

AGENCY NOTIFIED: 3 - LOCAL FIRE MARSHAL
OTHER:
DEP BUREAU:
DEP DIVISIPN:

AGENCY NOTIFIED: 9 - DEP
OTHER:
DEP BUREAU: BUREAU OF WASTE MANAGEMENT
DEP DIVISIPN: OIL AND CHEMICAL SPILL RESPONSE

ACTION TAKEN: 17 - REMOVED TANK
OTHER:

EMERGENCY MEASURES: 275 LUST, TANK REMOVED, REMEDIATION TO BE PROPOSED, NO GROUND WATER, NO FREE PRODUCT,CITY WATER & SEWER

RELEASE CLASS: 6 - PRIVATE

MEDIA AFFECTED: 4 - GROUND SURFACE

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 13 **DIST/DIR:** 0.33 NE **MAP ID:** 6

NAME: BARBARA CARMICHAEL
ADDRESS: 69 GLEMBY
HAMDEN CT 06518

CONTACT: NO RESPONSE

REV: 3/7/05
ID1: 200201863
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

DATE OF RELEASE: 3/26/2002
TIME OF RELEASE:

DISHCHARGER: BARBARA CARMICHAEL
69 GLEMBY ST
HAMDEN CT 06514

DISCHARGER S PHONE:
ACCEPTS RESPONSIBILITY: YES

MATERIAL RELEASED (GAL): #2 FUEL OIL 0

CAUSE OF INCIDENT: 3 - INGROUND TANK FAILURE
OTHER:

REPORT TIME: 3/26/2002 3:24:37 PM
REPORTED BY: TIM SLATER
REPORTER S PHONE: 2712233

ACTION TAKEN: 18 - SOIL REMOVED
OTHER:

ACTION TAKEN: 17 - REMOVED TANK
OTHER:

EMERGENCY MEASURES: REMOVAL OF 275 GAL UST AJD IMPACTED SOIL

RELEASE CLASS: 6 - PRIVATE

MEDIA AFFECTED: 4 - GROUND SURFACE

WATERBODY AFFECTED: 4 - GROUNDWATER

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 18 **DIST/DIR:** 0.33 SE **MAP ID:** 10

NAME: SHELL GAS STATION
ADDRESS: 144 ARCH ST.
HAMDEN CT 06518
CONTACT: WOFFORD, RON

REV: 3/7/05
ID1: 200008183
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

DATE OF RELEASE: 10/27/2000
TIME OF RELEASE:

DISHCHARGER: SHELL GAS STATION

CT

DISCHARGER S PHONE: 860 5685851
ACCEPTS RESPONSIBILITY: YES

MATERIAL RELEASED (GAL): GASOLINE 0

CAUSE OF INCIDENT: 2 - TRANSFER LINE FAILURE
OTHER:

CAUSE OF INCIDENT: 3 - INGROUND TANK FAILURE
OTHER:

REPORT TIME: 10/27/2000 1:51:28 PM
REPORTED BY: ERNIE SAOTZNER
REPORTER S PHONE: 5284723

AGENCY NOTIFIED: 9 - DEP
OTHER:
DEP BUREAU: BUREAU OF WASTE MANAGEMENT
DEP DIVISIPN: OIL AND CHEMICAL SPILL RESPONSE

ACTION TAKEN: 20 - OTHER
OTHER: 936 and 924 to investigate

EMERGENCY MEASURES: PUMPING MONITORING WELL GASOLINE 6 INCHES OF PRODUCT IN MONITORING WELL

RELEASE CLASS: 8 - COMMERCIAL

MEDIA AFFECTED: 3 - GROUND WATER

WATERBODY AFFECTED: 4 - GROUNDWATER

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 19 **DIST/DIR:** 0.33 SE **MAP ID:** 10

NAME: SHELL STATION
ADDRESS: ARCH ST
HAMDEN CT 06514
CONTACT:

REV:
ID1: 1002
ID2:
STATUS: YES
PHONE:

REPORT DATE: 08-16-89
MATERIAL: STEEL
LOW CAPACITY: 550
PRODUCT: HF

FED REG: NO
NUMBER OF TANKS: 1
HIGH CAPACITY: 550

TANK REMOVED: YES
TANK RELEASE:

UNCONTROLLED RELEASE: YES
PIPING RELEASE: YES

EMERGENCY:
OVERFILL RELEASE:

REMEDIATION: SOIL REMOVAL
REFERRED:
COMMENT:

COMPLETE: YES

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 15 **DIST/DIR:** 0.36 NE **MAP ID:** 8

NAME: HAMDEN CAR WASH [CONTACT - JERRY MA
ADDRESS: 1090 DIXWELL AVE.
HAMDEN CT 06518
CONTACT: WOFFORD, RON

REV: 3/7/05
ID1: 9902833
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

DATE OF RELEASE: 5/4/1999
TIME OF RELEASE:

DISHCHARGER: HAMDEN CAR WASH [CONTACT - JERRY MATURO .]
s.a.a.
HAMDEN CT 06514

DISCHARGER S PHONE: 203 0000000
ACCEPTS RESPONSIBILITY: YES

MATERIAL RELEASED (GAL): GASOLINE 0

CAUSE OF INCIDENT: 3 - INGROUND TANK FAILURE
OTHER:

REPORT TIME: 5/4/1999 3:24:12 PM
REPORTED BY: DAVE PREMO
REPORTER S PHONE: 8829391

ACTION TAKEN: 18 - SOIL REMOVED
OTHER:

ACTION TAKEN: 12 - PUMPED OUT
OTHER:

ACTION TAKEN: 17 - REMOVED TANK
OTHER:

ACTION TAKEN: 20 - OTHER
OTHER: samples taken.

EMERGENCY MEASURES: REMOVED 3-4KS , 1-2K ; SOIL REMOVAL, SOIL SAMPLES.

RELEASE CLASS: 8 - COMMERCIAL

MEDIA AFFECTED: 6 - OTHER

WATERBODY AFFECTED: 9 - OTHER

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

STATE SITE

SEARCH ID: 3 **DIST/DIR:** 0.38 SE **MAP ID:** 4

NAME: IMPERIAL TOOL & SPECIALTY MFG.
ADDRESS: 1013 DIXWELL AVENUE REAR
HAMDEN CT

CONTACT:

REV: 2/22/05
ID1: 1306
ID2:
STATUS: SUSPECTED
PHONE:

SITE INFORMATION

WASTE TYPE1: CHLR VOC - CHLORINATED VOLATILE ORGANIC COMPOUNDS
WASTE TYPE2: NCHLR VOC - NON CHLORINATED VOLATILE ORGANIC COMPOUNDS
WASTE TYPE3:

DISPOSAL METHOD:

SAMPLE AVAILABLE: NO
LOCATION METHOD:
OTHER DEP:
UPDATED BY: O CONNOR, T.
UPDATED PROGRAM: SRP
UPDATED: 5/14/1992
SW CLASSIFICATION: AA
GW CLASSIFICATION: GB/GAA

COMMENTS:

SITE NAMES

COMMENTS: 1013-1021 REAR DIXWELL AVENUE

INFORMATION
ESTABLISHMENT: IMPERIAL TOOL & SPECIALTY MFG
SELLER: MORRIS A. NUNES, TRUSTEE
BUYER: DENNIS HANLON

FORM: FORM III **RECEIVED:** 1/24/1992
ACKNOWLEDGED: 3/2/1992 **RETURNED:**
CERTIFIED: **REVISED:**
ECAF RECEIVED: **ECAF REVIEWED:**

STATUS: A

STAFF: O CONNOR, T.

CERTIFIER: ,

,

FIRST PAYMENT: $4500 **SECOND PAYMENT:** $

- Continued on next page -

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

STATE SITE

SEARCH ID: 3 **DIST/DIR:** 0.38 SE **MAP ID:** 4

NAME: IMPERIAL TOOL & SPECIALTY MFG.
ADDRESS: 1013 DIXWELL AVENUE REAR
HAMDEN CT

REV: 2/22/05
ID1: 1306
ID2:
STATUS: SUSPECTED
PHONE:

CONTACT:

COMMENTS:

REMEDIAL INFORMATION

TYPE: III
PROGRAM: PTP - PROPERTY TRANSFER PROGRAM
ENTERED:
STAFF: O CONNOR, T.
COMPLETE:
ASSIGNED:
PHASE: A
ORDER ISSUED: NO
ORDER NUMBER:
ORDER DATE:
INVESTIGATION START:
COMPLETED:
DESIGN START:
DESIGN DONE:
ACTION START:
ACTION DONE:
OPERATION START:
GW MONITORING: NO

REFERRAL INFORMATION

SOURCE: SUPERFUND - DEP WASTE BUREAU - SUPERFUND SITE DISCOVERY
RECEIVED: 5/1/1992
STAFF:
PROGRAM:
ASSIGNED:
COMPLETED:
OUTCOME:

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 16 **DIST/DIR:** 0.40 NE **MAP ID:** 11

NAME: RICHARD CUOMO/CHIMNEY SQ.
ADDRESS: 1125 DIXWELL AVE
HAMDEN CT 06518
CONTACT: NO RESPONSE

REV: 3/7/05
ID1: 200001001
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

DATE OF RELEASE: 2/17/2000
TIME OF RELEASE:

DISHCHARGER: RICHARD CUOMO/CHIMNEY SQ.
above
CT

DISCHARGER S PHONE: 203 2482195
ACCEPTS RESPONSIBILITY:

MATERIAL RELEASED (GAL): #6 FUEL OIL 0

CAUSE OF INCIDENT: 3 - INGROUND TANK FAILURE
OTHER:

REPORT TIME: 2/17/2000 8:55:59 AM
REPORTED BY: RAY ZABIT
REPORTER S PHONE: 7207650

AGENCY NOTIFIED: 3 - LOCAL FIRE MARSHAL
OTHER:
DEP BUREAU:
DEP DIVISIPN:

ACTION TAKEN: 18 - SOIL REMOVED
OTHER:

ACTION TAKEN: 17 - REMOVED TANK
OTHER:

EMERGENCY MEASURES: PULLED 20K AND 5K, 20K LEAKED, NO FREE PRODUCT, REMOVING SOIL

RELEASE CLASS: 8 - COMMERCIAL

MEDIA AFFECTED: 6 - OTHER

WATERBODY AFFECTED: 9 - OTHER

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

LEAKING UNDERGROUND STORAGE TANKS

SEARCH ID: 20 **DIST/DIR:** 0.44 SE **MAP ID:** 3

NAME: ST.ANNE S CHURH
ADDRESS: DIXWELL AVE ST.ANNE S CHURCH
HAMDEN CT 06518
CONTACT: TORRES, NEIL

REV: 3/7/05
ID1: 200207515
ID2:
STATUS: CLOSED
PHONE:

SITE INFORMATION

DATE OF RELEASE:	10/25/2002
TIME OF RELEASE:	
DISHCHARGER:	ST.ANNE S CHURH SAA CT
DISCHARGER S PHONE:	
ACCEPTS RESPONSIBILITY:	YES
MATERIAL RELEASED (GAL):	#2 FUEL OIL 500
CAUSE OF INCIDENT:	2 - TRANSFER LINE FAILURE
OTHER:	
CAUSE OF INCIDENT:	3 - INGROUND TANK FAILURE
OTHER:	
REPORT TIME:	10/25/2002 2:32:18 PM
REPORTED BY:	AL LATOUCHE
REPORTER S PHONE:	2905049
AGENCY NOTIFIED:	8 - DEP DISPATCH
OTHER:	
DEP BUREAU:	
DEP DIVISIPN:	
ACTION TAKEN:	4 - CONTRACTED
OTHER:	
ACTION TAKEN:	12 - PUMPED OUT
OTHER:	
ACTION TAKEN:	17 - REMOVED TANK
OTHER:	
ACTION TAKEN:	18 - SOIL REMOVED
OTHER:	
EMERGENCY MEASURES:	TANK AND SOIL REMOVAL
RELEASE CLASS:	6 - PRIVATE
MEDIA AFFECTED:	6 - OTHER
WATERBODY AFFECTED:	9 - OTHER

Environmental FirstSearch
Site Detail Report

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

CERCLIS SITE

SEARCH ID: 21 **DIST/DIR:** NON GC **MAP ID:**

NAME: BRYDEN AND MORSE STREETS
ADDRESS: BRYDEN TERRACE, MORSE STREET,
HAMDEN CT 06517
NEW HAVEN
CONTACT: GILBERTO IRIZARRY

REV: 1/18/05
ID1: CTN000103143
ID2: 0103143
STATUS: NOT PROPOSED
PHONE: 6179181255

DESCRIPTION:

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
REMOVAL Stabilized	EPA Fund-Financed Primary	08-13-2001	07-17-2002
REMOVAL ASSESSMENT	EPA Fund-Financed	04-16-2001	07-27-2001

CERCLIS SITE

SEARCH ID: 22 **DIST/DIR:** NON GC **MAP ID:**

NAME: ROSEM
ADDRESS: MORSE STREET
HAMDEN CT 06517
NEW HAVEN
CONTACT: GILBERTO IRIZARRY

REV: 1/18/05
ID1: CTN000103142
ID2: 0103142
STATUS: NOT PROPOSED
PHONE: 6179181255

DESCRIPTION:

ACTION/QUALITY	AGENCY/RPS	START/RAA	END
REMOVAL Stabilized	EPA Fund-Financed Primary	08-13-2001	07-17-2002
REMOVAL ASSESSMENT	EPA Fund-Financed	04-16-2001	07-27-2001

Environmental FirstSearch
Street Name Report for Streets within .25 Mile(s) of Target Property

TARGET SITE: 71 JONES ROAD
HAMDEN CT 06514

JOB: 07-203581

Street Name	Dist/Dir	Street Name	Dist/Dir
1st St	0.03 SE		
2nd St	0.04 NE		
3rd St	0.13 NE		
4th St	0.16 NE		
Alenier St	0.25 NE		
Arch St	0.24 SW		
Beaver St	0.09 NE		
Burke St	0.16 SE		
Dix St	0.20 SE		
Fairview Ave	0.02 SE		
George St	0.22 SE		
Glemby St	0.21 NE		
Glenbrook Ave	0.19 NW		
High Top Cir	0.21 SW		
Jones Rd	0.03 N-		
Longmeadow Ave	0.22 NW		
Mott St	0.13 SE		
North St	0.08 SE		
Pease Rd	0.08 NW		
Pine Rock Ave	0.21 NW		
Rochford Ave	0.17 NW		
Rockview Rd	0.17 NW		
Rockwood Rd	0.13 NW		
Sunset Rd	0.04 NW		
Thayer St	0.13 NW		
Warner St	0.16 SE		
Warren St	0.21 NE		
Welch St	0.25 NW		
Westerfield Rd	0.21 NW		
Whiting St	0.22 SE		
Woodin St	0.17 N-		

00 31 25.32

Existing Roofs Infrared Moisture Survey

October 19, 2007

Richard Murphy
Skanska USA Building, Inc.
440 Wheeler Farms Road Suite 210
Milford, CT 06460

RE: INFRARED ROOF MOISTURE SURVEY
ELI WHITNEY VOTECHNICAL SCHOOL
71 JONES ROAD
HAMDEN, CT

Dear Mr. Murphy:

As you requested we have completed an on site Infra Red moisture survey on the roofs of the above building. The survey was conducted on October 17, 2007. A Nuclear Moisture Detector and an Infra Red Camera were used to conduct the survey. The results are contained in the accompanying report and drawing.

If you have any questions or need further assistance, please do not hesitate to call.

Sincerely,

Chip Cipriani
Roof Scan

Attachments: Roof Plans
Roof Report

INFRARED
ROOF MOISTURE SURVEY

ELI WHITNEY VOTECHNICAL SCHOOL
71 JONES ROAD
HAMDEN, CT

Date:

October 19, 2007

Prepared For:

Skanska USA Building, Inc.
440 Wheeler Farms Road Suite 201
Milford, CT 06460

Prepared By:

ROOF SCAN
22 Neilson Avenue
Stillwater, New York 12170

(518) 273-2295 or (518) 664-9649

Table of Contents

1. **Operating Principals of Moisture Detection Equipment, and Survey Procedures**

2. **Moisture Survey Report**

3. **Thermograms**

OPERATING PRINCIPALS OF NUCLEAR, INFRARED, GALVANIC, AND CAPACITANCE, MOISTURE DETECTION EQUIPMENT

Nuclear Moisture Detector;

The Nuclear Moisture Detector is an extremely accurate and sensitive device specifically designed for performing non destructive roof moisture surveys. The nuclear detector can detect very small quantities of moisture regardless of where it is located within the roof system. This enables the detector to, in most cases, differentiate between damp and wet insulation. The maximum operating depth is about 8 inches. Contradictory to its name, the moisture detector does not directly measure or detect moisture. The instrument locates moisture by seeking out hydrogen atoms. Hydrogen atoms are present in organic materials and are most abundant in water.

A radioactive source of Americium 241:Beryllium is encapsulated and sealed within the instrument. When the instrument is activated, fast neutrons are produced by exposing the Americium to the Beryllium. The fast neutrons collide with hydrogen atoms and are "thermalized" or slowed down. The meter measures the rate of collision for a pre set time period, similar to radar, and displays the count on a digital periodic rate meter. Since all hydrogen bearing materials contribute to the count rate, the meter must be calibrated for each roof to obtain absolute moisture readings and to keep operator interpretation to a minimum.

Infrared Scanner;

This system measures temperature differentials found on the roof surface by detecting infrared radiation which is converted to an electrical signal and then to a video signal that is displayed on a small screen. Wet areas absorb and hold heat from solar radiation and from building heat loss longer than dry areas do. This is because wet insulation is a better conductor of heat than dry insulation is. Dry areas cool off quickly and therefore do not readily absorb and hold heat. The infrared camera locates the wet insulation by detecting the surface temperature differences between the wet and dry areas.

Galvanic Moisture Detector;

The Galvanic Moisture Detector was designed to test the moisture content of various building materials including roof insulation. The meter measures electrical conductivity. The moisture content of the material increases as the reading increases. Readings obtained with the meter are a qualitative indication of the moisture content. Two small holes about 1/16" in diameter must be made in the roof system so that the ends of the electrode pins can be inserted into the insulation. The meter will detect and isolate moisture at any given level in the system.

Capacitance Moisture Detector;

The capacitance meter detects dielectric changes in the roof. The meter transmits low frequency signals thru the roof covering into the insulation. The maximum operating depth of the capacitance meter is about one half inch. Moisture within the insulation causes an increase in electrical conductance. The meter locates moisture by reading the changes in the electrical conductance.

MOISTURE SURVEY PROCEDURES

The following procedures were used to conduct this moisture survey:

1. The roof was scanned with an Infrared Camera. The moisture contours of all wet areas were marked on the roof surface with orange spray paint.

2. A Nuclear Moisture Detector and a Galvanic Moisture Detector were then used to verify the findings of the Infrared Camera.

3. A roof plan was drawn to scale showing all roof top equipment and the locations and contours of all moisture laden insulation.

4. Thermograms were taken at selected anomalies.

5. As a final verification of the moisture testing, core samples were taken to verify the conditions and to determine the exact roof construction.

6. This report defines; the roof construction and the conditions of the roof system at the core locations, and the square footage and percent of total roof area containing dry insulation and moisture laden insulation.

MOISTURE SURVEY

SCOPE OF SURVEY:

The intent of the survey was to document the location and extent of moisture intrusion into the roof system

EXISTING ROOF CONSTRUCTION:

Roof # 2 (Patched Area)

- Smooth Surfaced Modified Bitumen Roof Membrane
- Structural Wood Fiber Plank Deck

Roof # 13

- Gravel Surfaced Coal Tar Built Up Roof Membrane
- Two Layers of ¾" Thick Fiberglass Insulation
- Membrane Vapor Barrier
- Concrete Deck

Roof # 21

- Gravel Surfaced Coal Tar Built Up Roof Membrane
- Two Layers of ¾" Thick Fiberglass Insulation
- Concrete Deck

ANOMALIES:

The roof system was scanned with an Infrared Camera and the locations and contours of all anomalies, (moisture laden areas) have been marked on the roof surface with orange spray paint. The moisture contours were then transposed to the scaled drawings. Some of the anomalies are shown in this report.

NUCLEAR MOISTURE READINGS:

The primary function of the Nuclear Moisture Meter in this survey was to verify the findings of the Infrared Camera.

CORE SAMPLES:

Test cores were taken to verify the findings of the survey and to determine the actual moisture content of the roof system at each core location. The location of the cores is marked on the roof surface and on the drawings.

Core # 1 Roof 2

1. Infra Red Image - No anomaly was visible indicating a dry condition.

2. Nuclear Meter Reading - 17 This reading indicates a dry condition.

3. Core Sample – There was no insulation at this core. The membrane and the structural wood fiber deck was dry. No moisture was detected.

Core # 2 Roof 13

1. Infra Red Image - Bright, intense, clearly defined anomaly visible indicating that the insulation is wet.

2. Nuclear Meter Reading - 24 This reading indicates that the insulation is wet.

3. Core Sample – The insulation was wet at this core. Free water was visible when the insulation was compressed.

Core # 3 Roof 21

1. Infra Red Image - Bright, intense, clearly defined anomaly visible indicating that the insulation is wet.

3. Nuclear Meter Reading - 29 This reading indicates that the insulation is wet.

3. Core Sample – The insulation was wet at this core. Free water was visible when the insulation was compressed.

MOISTURE CONTENT:

The subsurface moisture content of the roofs expressed in sq.ft., percentage of roof area, and number of moisture laden locations is as follows:

Roof # 1 = 4,092+-sq.ft.

Dry insulation = 4,092+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 2 = 2,310+-sq.ft.

Dry roof deck = 2,310+-sq.ft. or 100% of the roof area.

Damp to wet roof deck = None.

Number of moisture laden locations = None.

Roof # 3 = 7,000+-sq.ft.

Dry insulation = 7,000+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 4 = 460+-sq.ft.

Dry insulation = 460+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 5 = 680+-sq.ft.

Dry insulation = 460+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 6 = 8,932+-sq.ft.

Dry insulation = 8,929+-sq.ft. or >99% of the roof area.

Damp to wet insulation = 3 +-sq.ft. or <1% of the roof area.

Number of moisture laden locations = One.

Roof # 7 = 6,576+-sq.ft.

Dry insulation = 6,576+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 8 = 10,190+-sq.ft.

Dry insulation = 10,190+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 9 = 4,741+-sq.ft.

Dry insulation = 4,741+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 10 = 5,331+-sq.ft.

Dry insulation = 5,331+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 11 = 1,550+-sq.ft.

Dry insulation = 1,550+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 12 = 11,350+-sq.ft.

Dry insulation = 11,350+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 13 = 8,208+-sq.ft.

Dry insulation = 7,833+-sq.ft. or 95% of the roof area.

Damp to wet insulation = 375 +-sq.ft. or 5% of the roof area.

Number of moisture laden locations = One.

Roof # 14 = 2,400+-sq.ft.

Dry insulation = 2,400+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 15 = 625+-sq.ft.

Dry insulation = 625+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 16 = 2,320+-sq.ft.

Dry insulation = 2,320+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 17 = 11,340+-sq.ft.

Dry insulation = 11,340+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 18 = 3,240+-sq.ft.

Dry insulation = 3,240+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 19 = 3,240+-sq.ft.

Dry insulation = 3,240+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 20 = 3,240+-sq.ft.

Dry insulation = 3,240+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 21 = 11,340+-sq.ft.

Dry insulation = 10,740+-sq.ft. or 95% of the roof area.

Damp to wet insulation = 600 +-sq.ft. or 5% of the roof area.

Number of moisture laden locations = One.

Roof # 22 = 3,550+-sq.ft.

Dry insulation = 3,550+-sq.ft. or 100% of the roof area.

Damp to wet insulation = None.

Number of moisture laden locations = None.

Roof # 1 thru 22 = 112,715+-sq.ft.

Dry insulation = 111,737+-sq.ft. or >99% of the roof area.

Damp to wet insulation = 978+-sq.ft. or <1% of the roof area.

Number of moisture laden locations = Three.

SUMMARY:

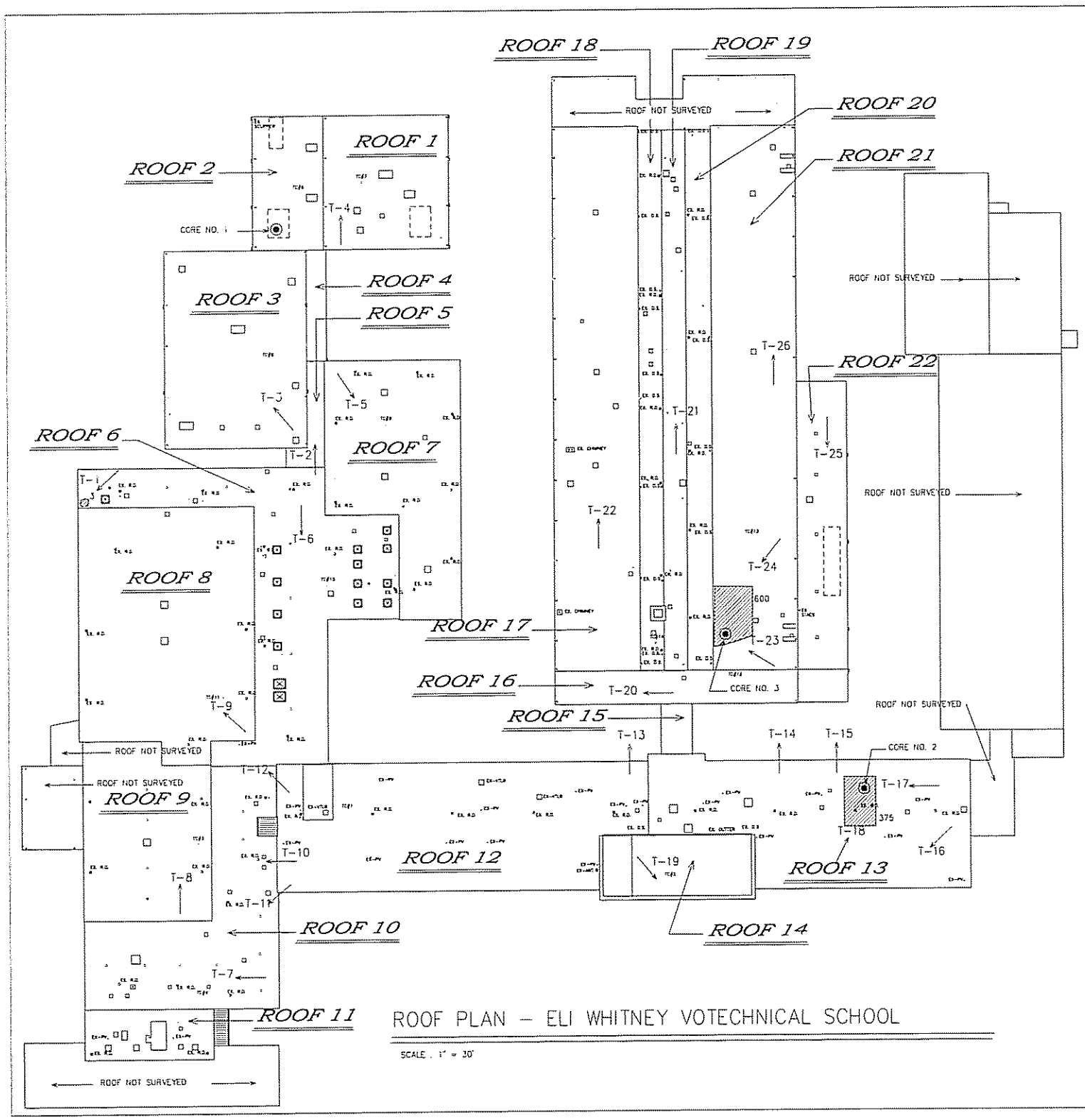
The moisture survey indicates as accurately as existing conditions permit, the subsurface conditions of the roofs at the time the survey was conducted. The existing insulation under the built up roof membranes is rigid fiberglass. Fiberglass insulation is very difficult to read with an infrared camera. This is because the insulation is not very dense and the fiberglass fibers do not absorb moisture,

consequently, when the insulation is not completely saturated the moisture settles near the bottom of the insulation leaving the top of the insulation dry. To minimize the chances of missing wet insulation, many nuclear moisture readings were taken. Nuclear meters can detect moisture down to a depth of about 8".

If the moisture laden insulation is to be removed as part of a repair or replacement project, we suggest that it would be advisable to increase the known quantity by a certain percentage to allow for undetected moisture, if any, and for moisture that may enter the system after the survey was completed.

If there will be a long delay between the time the survey was conducted and when the repair or replacement work will begin, we suggest the wet areas be remarked with spray paint before the paint that defines the areas fades away. The paint that was applied during the survey should last at least 3 to 6 months before repainting may be required.

END OF REPORT



ROOF PLAN – ELI WHITNEY VOTECHNICAL SCHOOL

SCALE : 1" = 30'

GENERAL NOTES

1. ON ALL ROOFS AN INFRA RED CAMERA WAS USED TO SURVEY THE INSULATION IN THE ROOF SYSTEM. WHERE NECESSARY NUCLEAR METER READINGS WERE TAKEN TO VERIFY THE FINDINGS OF THE INFRA RED CAMERA.
2. WET AREAS ARE IDENTIFIED ON ROOF SURFACES WITH MARKING PAINT. SOME IRREGULAR SHAPED WET AREAS MAY HAVE BEEN SQUARED OFF.
3. WET AREAS ARE IDENTIFIED ON ROOF PLAN IN THEIR APPROXIMATE CORRESPONDING LOCATIONS.
4. ALL ROOF TOP EQUIPMENT MAY NOT HAVE BEEN SHOWN.
5. ALL EQUIPMENT LOCATIONS APPROXIMATE.

DEFINITIONS

DRY

NO VISIBLE OR DETECTABLE MOISTURE IN THE INSULATION OR ROOF MEMBRANE. INSULATION DRY TO THE TOUCH.

DAMP

INSULATION IS DAMP TO THE TOUCH. NO FREE WATER VISIBLE WHEN INSULATION IS COMPRESSED.

WET

INSULATION IS WET TO THE TOUCH. FREE WATER VISIBLE WHEN INSULATION IS COMPRESSED.

ANOMALY

MOISTURE LADEN AREA OR WET SPOT.

THERMOGRAM

A PHOTO OF A THERMAL IMAGE TAKEN WITH AN INFRARED CAMERA.

PLAN SYMBOLS

DRY INSULATION

25 DAMP TO WET INSULATION

NUMBER ADJACENT TO SYMBOL INDICATES APPROXIMATE SIZE OF WET AREA IN SQUARE FEET.

TEST CORE

ROOF DRAIN

ROUND ROOF PENETRATION

ROOF TOP EQUIPMENT

SKYLIGHT

T-1 THERMOGRAM

ROOF PATCH

00 31 25.35

Existing Roofs

Deck Pull Test

OMG
ROOFING PRODUCTS

153 Bowles Road
Agawam, MA 01001-3824
1-800-633-3800
Fax 413-789-1069
www.olyfast.com

Monday, November 19, 2007
Antinozzi Associates
David Ferris
203-378-3002

Re ELI WHITNEY VOCATIONAL SCHOOL

Dear David Ferris

I have enclosed the Job Report Number 2680 from the above referenced job. The report was recorded by Doug Maclean, OMG Technical representative.

If you have any further questions, please feel free to call.

Sincerely,

Rick Devine
Technical Services

CC Beacon Reps
Attn Jack McDiarmid
CCFax: 413-599-0077

K.R.
Enc

Pull Test Report

Job name	ELI WHITNEY VOCATIONAL SCHOOL	**Report Number**	2680
Location	HAMDEN, CT.	**Test Date**	11/8/2007
Ambient Temp	45 F	**Bldg Height**	20 ft
Tester Mfr	Com-ten	**Max Cap of Tester**	1500 lbs.
Witnessed By	DAVID FERRIS		
Ground Roughness Per	B	**Roof Area**	250,000 sq ft
Test Perf By	Doug Maclean	**Existing Roof System**	Tear Off
Test Cut Area Repaired By	DAVID FERRIS	**Thickness of Existing Roof**	N/A
Fasteners Tested	LITE DECK, NTB	**New System Mf**	CARLISLE
Roof Cover Type	Fully Adhered Single-Ply		
New Insul Mfr	CARLISLE		
Insulation Type	ISO		
Insul Thickness	1 1/2"		

Notes 1

Replace Drains ☐ **Number drain** **Replace Pipe Guards** ☐ **Number Pipeguard** 0

Deck Type

	Deck Type	Thickness/Gauge
1	Cementitious Wood Fiber	2 1/2"

Test Results

Test No	Results lbs	Fastener Tested	Penetration	Bit Diameter
1	196	LITE DECK	2" IN	N/A
2	205	LITE DECK	2" IN	N/A
3	158	NTB	2" IN	N/A
4	115	NTB	2" IN	N/A

Comments: 4 PULLS OK PER DAVID FERRIS - ANTINOZZI ASSOCIATES.

Insulation Adhesive Test Report

Form A

JobNumber: 377		Test Date	11/8/2007 9:30 AM
Job Name	ELI WHITNEY VOCATIONAL SCHOOL		
Location	HAMDEN, CT.	Roof Area 250000 sq ft	Bdg Height 20 ft
Ambient Temp	45 F	☐ Replace Drains	Number 0
Tester Mfgr/Model	Com-Ten	☐ Replace Pipe Guards	Number
Max. Cap. of Tester	1,500 lbf	Number Tests on Form C: 2	
Date of Last Calib.	1/10/2007	Witnessed by	DAVID FERRIS
Test Performed by	Doug Maclean	Adhesive Manufacturer	OMG
Insulation Manufacturer	CARLISLE	Adhesive Type	OLYBOND 500
Insulation Type	ISO	Project Type	Tear-Off
Insulation Thickness	1 1/2"	Ground Roughness	
Test Cut Area Repaired By	NORCONN SERVICES	Thickness Exist. Roof Assm	N/A
New Roof Manufacturer	CARLISLE		
Roof Cover Type	Fully Adhered Single-ply		

DECK TYP

Steel	☐	Gauge		
Structural Concrete	☐	Thickness		Structural Concrete Type
Lightweight Concrete	☐	Thickness		
Insulating Concrete	☐	Thickness		
Cementitious Wood Fiber	☑	Thickness	2 1/2"	
Gypsum	☐	Thickness		Gypsum Type
Wood	☐	Thickness		Wood Type
Fiberglass	☐	Thickness		
Other	☐	Other:		Thickness

Disclaimer: MANUFATURER'S INSTALLATION REQUIREMENTS SHALL BE FOLLWED WHEN USING ANY OF THE TESTED ADHESIVES. NEITHER THE TECHNICIAN PERFORMING THE PULLOUT TESTS NOR HIS/HER COMPANY IS RESPONSIBLE FOR THE WATERPROOFING INTEGRITY OF THE REPAIRS. THIS TEST REPORT DOES NOT CERTIFY THE STRUCTURAL INTEGRITY OF THE ROOF DECK

Test Results
Form C

JobNumber: 377
Job Name ELI WHITNEY VOCATIONAL SCHOOL

TestNumber	Location	Pull Value PSF *	FailureMode
1	1	710	PLYWOOD SEPARATED FROM ISO
2	2	895	DECK FAILED

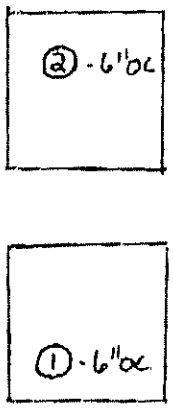
***Actual value recorded less Tare**

Comments: THE OLYBOND 500 WAS APPIED IN RIBBONS OF 6" ON CENTER.
PULL #1 - CEMENTITOUS WOOD FIBER
PULL #2 - GYPSUM 3"
2 PULLS OK PER DAVID FERRIS - ANTINOZZI ASSOCIATES

Insulation Adhesive Test Report
Form B

Job Name: ELI WHITNEY VOCATIONAL SCHOOL **Test Date:** 11/8/07

Roof Plan (Not to Scale)
Identify where tests were performed, showing corresponding test number from Form C



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Sent By: ; 860 945 3050; NOV-13-07 11:05AM; Page 5

	LBS :	Fastener used :	Penetration :	Drill bit diameter :
16				in
17				in
18				in
19				in
20				in

Comments : 4 PULLS OK PER DAVID FERRIS OF ANTINOZZI ASSOCIATES

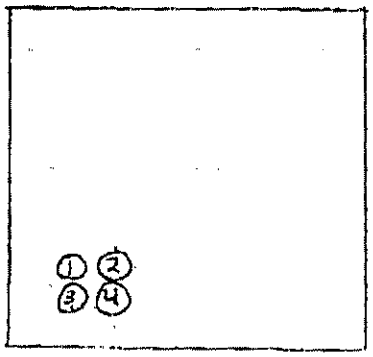
DAVID C. FERRIS
NOV. 8, 2007

NOTE: DRAW NEATLY! This drawing will be sent with report

PLOT PLAN N.T.S. **Identify where the pullouts were performed.**

ELI WHITNEY VOCATIONAL SCHOOL

N



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Existing Roofs Assembly Investigation

ROOF ASSEMBLY INVESTIGATION – APRIL 20, 2006

A meeting was arranged to have a series of test cuts of the existing roofing assemblies randomly taken to determine the composition of the roofing systems that were used at Eli Whitney RVTS in Hamden, CT. This work was scheduled for Thursday, April 20, 2006. Arrangements were made by David Henderson, Project Manager, of Skanska (the Construction Manager for this project), to have test cuts taken and the test cuts patched by NS Norconn Services of Enfield, CT. Present at the side were: Michael Wysoczanski – Antinozzi Associates; David Henderson – Skanska (part of meeting); Charlie Brokenshire - Skanska; Jeff Sadlon – NS Norconn Services; and Pete Kristoff – NS Norconn Services.

A series of test cuts (14 total) were taken at A, B, and C Wings. The test cuts are identified on the roof demolition drawing as TC#1 through TC#14. None were taken at D Wing, which is scheduled for demolition. The existing roof plan was printed on a series of 11" x 17" sheets, and the test locations were indicted on the sheets by Mike Wysoczanski. Jeff and Pete took the test cuts and did the patches. Each test cut was patched with appropriate materials (furnished by NS Norconn Services) before moving on to the next test location. Mike took pictures of the test cut areas before the patch was applied. Jeff supplied some small plastic bags, and Mike took some small samples of the insulation board, chips of gypcrete deck material, etc. Samples were taken randomly and not taken at each test cut. Test cuts were only done at BUR and EPDM assemblies.

A summary of the test cuts is as follows:

Test Cut No. 1 – southeast side of A Wing, west of the stair tower. (identified on plan as Roof Area A2). Built-up roofing assembly over two 1" layers of yellow fiberglass insulation board. It appears that the deck is concrete, but we will check the existing drawings to confirm if it is really concrete plank. It appears that an adhesion layer of material was applied under the bottom layer of insulation board, and between the insulation boards.

Test Cut No. 2 – A Wing, on the raised roof area over the existing main entrance, west of the expansion joint. (identified on plan as Roof Area A1). Same findings as at Test Cut No.1. Noticed more asphalt on top surface of deck, presumably to secure insulation board to deck

Test Cut No. 3 – C Wing (identified on plan as Roof Area C6, west end). Built-up roofing was loose, in that it was easily peeled from substrate without tools. Jeff thought the BUR may have been mechanically fastened in this area. Deck appears to be wire-reinforced gypcrete, with brownish-yellow insulation board on the underside of the gypcrete. Total thickness of the deck and insulation was approximately 5-1/2". Pete was able to drop a broom handle into the test hole, and he measured a distance of approximately 3'-5" from the top of the deck to another hard surface below. We could not see what the lower surface material was. I suspect it may be the suspended ceiling assembly in the Cafeteria.

Test Cut No. 4 – C Wing (identified on plan as Roof Area C4, north end). Same assembly as Test Cut No. 3, but the gypcrete deck was not disrupted.

Test Cut No. 5 – C Wing (identified on plan as Roof Area C2, south side, west end). Built-up roofing assembly over two 1" layers of yellow fiberglass insulation board. Deck is gray-color steel deck, 1-1/2" thick. Top of flute was approximately 3-1/2" wide, with 2-1/2" between flutes. Flutes run in a north-south direction. Top of deck was clean, so it appears that the insulation boards were not adhered to the deck. This was the only area were we found steel roof deck.

Test Cut No. 6 – C Wing (identified on plan as Roof Area C13, west end). Built-up roofing assembly over tectum deck. Deck is approximately 2-1/2" thick.

Test Cut No. 7 – C Wing (identified on plan as Roof Area C14, east end). Same findings as Test Cut No. 6, but tectum deck was not disrupted.

Test Cut No. 8 – C Wing (identified on plan as Roof Area C12, west end). Fully-adhered Carlisle EPDM over two layers of 1-1/2" polyisocyanurate insulation board over tectum deck. Tectum deck was not disrupted.

Test Cut No. 9 – C Wing (identified on plan as Roof Area C12, south end). Fully-adhered Carlisle EPDM over two layers of 1-1/2" polyisocyanurate insulation board over 3-1/2" thick wire-reinforced gypcrete deck.

Test Cut No. 10 – C wing (identified on plan as Roof Area C4, west end). Fully-adhered Carlisle EPDM over two layers of 1-1/2" polyisocyanurate insulation board over 2-1/2" gypcrete deck (here we did not encounter any wire reinforcement). On the underside of the gypcrete deck is a layer of approximately 1" thick fiberglass insulation board.

Test Cut No. 11 – C Wing (identified on plan as Roof Area C9, northwest corner). Built-up roofing assembly over 2-1/2" gypcrete deck (here we did not encounter any wire-reinforcement). On the underside of the gypcrete deck is a layer of approximately ¾" thick fiberglass insulation board.

Test Cut No. 12 – B Wing (identified on plan as Roof Area B2, south side, west end). Built-up roofing assembly over two layers of 1" yellow fiberglass insulation board over concrete deck (may actually be concrete plank).

Test Cut No. 13 – B Wing (identified on plan as Roof Area B3, north side, west end). Same findings as Test Cut No. 12.

Test Cut No. 14 – B Wing (identified on plan as Roof area B3, the lowest roof area, north side, east end, just north of the tall chimney). Same findings as Test Cut No. 12. This was the first and only time we encountered wet insulation board, primarily the lower layer.

EXTENSIVE ROOF ASSEMBLY INVESTIGATION – NOVEMBER 08, 2007

A series of extensive test cuts, identified on the demolition drawings as ETC #1 through ETC #3, were conducted on the building on November 8th 2007. The main purpose was to investigate the visual condition of the existing decks, the attachment methods of the existing roofing to the existing deck, to confirm the make-up of the roofing system and deck, and to conduct a pull test, and an insulation adhesive test on the existing deck.

The roof cuts and the patching were done by NS Norconn Services of Enfield, CT. The pull tests were conducted by Doug Maclean from OMG Roofing Products. Representatives from Skanska USA, namely Charles Brokenshire, and Antinozzi Associates, namely David C. Ferris observed the cuts, tests, and patching conducted on this date. In addition a representative from Carlisle Roofing, namely Jack McDiarmid also observed the operations on this date.

EXTENSIVE TEST CUT #1 (Cut size is approximately 4'x 4')

Extensive Test Cut number one was executed on the south end of the existing C wing, over the existing Welding Shop. It revealed four layers of felt that were hot mopped together and laid directly on top of the tectum deck. The first sheet of felt, however, was nailed using an old double pronged spike with uplift rods protruding from the midpoint of

the nail. A flat 1" square washer was used to hold down the sheet. The first sheet was nailed and all subsequent sheets were hot mopped using cold tar pitch directly on top of the first sheet and to fuse all the sheets together. The top layer of felt/sheet roofing was coated with a layer of pea-gravel that was adhered using cold tar pitch. All the layers of roofing were directly on top the tectum deck without any insulation. The tectum deck appeared to be sound. It easily can be adhered to in order to install the new roofing system. A pull test was conducted at this roof cut. The results of the pull test on the existing tectum are included in Volume 4 of the project manual for reference and use.

EXTENSIVE TEST CUT #2 (Cut size is approximately 4'x 4')

Extensive Test Cut number two was executed on the northern end of C-wing above the Corridor between the existing Restaurant and the Kitchen. The cut was identical to extensive cut number one; in that it also had four layers of sheet roofing that were all hot mopped together using cold tar pitch adhesive. However the first layer of felt/sheet roofing was directly attached to a Gypsum roof deck in this case, using the identical types of nails that were used in the tectum deck. The top layer of felt/sheet roofing was coated with a layer of pea-gravel that was adhered using cold tar pitch. All the layers of roofing were directly on top the tectum deck without any insulation. The gypsum deck surface itself was very sound, which allows for proper adhesion of the new roofing system. A pull test was conducted at this roof cut. The results of the pull test on the existing tectum are included in Volume 4 of the project manual for reference and use.

EXTENSIVE TEST CUT #3 (Cut size is approximately 4'x 4')

Extensive Test Cut number three was executed on B-wing over the existing Cadd Lab. The cut revealed multiple layers of roofing set in coal tar pitch. The top layer of felt/sheet roofing was coated with a layer of pea-gravel that was adhered using cold tar pitch. The layers of roofing are adhered to the top of two inches of yellow fiberglass insulation. The insulation is adhered to the contiguous concrete deck below. The insulation was confirmed to be completely wet, since the cut was done in an area identified by the roof scan as "wet". Since the wet insulation was laid in coal tar pitch and adhered to the concrete slab, the concrete slab was completely dry and sound within every part of the 4' X 4' cut where it was exposed. This will allow for proper adhesion of the proposed roofing system. A pull test was not done on this deck within this cut because of the apparent soundness of the existing deck.

EXTENSIVE ROOF ASSEMBLY INVESTIGATION – NOVEMBER 09, 2007

A series of extensive test cuts, identified on the demolition drawings as ETC #4 and ETC #5, were conducted on the building on November 9th 2007. The main purpose was to investigate the visual condition of the existing decks, the attachment methods of the existing roofing to the existing deck, to confirm the make-up of the roofing system and deck, and to conduct a pull test, and an insulation adhesive test on the existing deck.

The roof cuts and the patching were done by NS Norconn Services of Enfield, CT. No pull tests were conducted on the roof decks on this day. Representatives from Skanska USA, namely Charles Brokenshire, and Antinozzi Associates, namely David C. Ferris observed the cuts and patching on this date.

EXTENSIVE TEST CUT #4 (Cut size is approximately 2'x 2')

Extensive Test Cut #4 was executed on the C-wing directly over the Gym Storage Room C146 located west of the Gymnasium. The cut revealed the following roofing system: A fully adhered EPDM membrane on two layers of 1-1/2" polyisocyanurate insulation, screw attached with NTB fasteners to the existing gypsum deck. The existing gypsum deck is sound. This will allow for proper attachment of the proposed roofing system. A pull test was not executed on this section of the roof deck revealed by the cut, since the appearance of the existing deck was similar to the condition of the deck at ETC#2.

EXTENSIVE TEST CUT #5 (Cut size is approximately 4'x 4')

Extensive Test Cut #5 was executed on the A-wing directly above the existing Special Education Office. The cut revealed this roof area is constructed exactly similar to ETC#3, including the discovery of the wet insulation. A solid layer of cold tar lies directly on top of the concrete deck creating a water proofing layer protecting the existing concrete deck, allowing it to remain sound for the proposed roofing system. A pull test was not done on this deck within this cut because of the apparent soundness of the existing deck.

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Survey for Asbestos Containing Material (ACM)

NOTE: The data and conclusions summarized in the following technical reports are provided for background information to the contractor only. Quantities of asbestos and other hazardous materials listed herein are approximate and are not to be used by the contractor for bidding or estimating purposes. Further, Contractor should be aware that the data in each report is current only to the issuance date of that report. Where any discrepancies exist between the information in the appended technical reports and the Project Documents, **the Project Documents govern in all cases.**

ASBESTOS SURVEY
INCLUDING INVASIVE TESTING

ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT
DPW Building No. 18528, 18544

PREPARED FOR:

Mr. Gerald S. Glassman
Chief of Project Management
Department of Public Works
165 Capitol Avenue, Room 275
Hartford, CT 06106

PROJECT NUMBER: BI-RT-837 (ASB)

REPORT DATE: April 2007
March 2008 (Updated)

DELTA Environmental Services,® Inc.

81 SCHOOLGROUND ROAD, BRANFORD, CT 06405
Phone: (203) 481-7668 Fax: (203) 488-8164

TABLE OF CONTENTS

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TABLES

5-1 Bulk Sample Summary for Suspect Asbestos-Containing Materials

5-2 Asbestos-Containing Material

5-3 Non-Asbestos-Containing Material

APPENDICES

APPENDIX A - Inventory of Identified Asbestos-Containing Material (includes concealed and accessible materials)

APPENDIX B - Asbestos Bulk Sample Laboratory Data Sheets/Chain of Custody

APPENDIX C - Prior Roof Sampling Report

APPENDIX D - Building Plan (Including Invasive Testing Findings)

1.0 INTRODUCTION

This report summarizes the results of an invasive asbestos survey conducted by DELTA Environmental Services, Inc. (DELTA) at Eli Whitney Technical High School (Eli Whitney), 71 Jones Road, Hamden, Connecticut. The project consisted of physical inspection of the building to determine the quantities and locations of concealed asbestos-containing materials (ACM); and bulk sampling of suspected asbestos-containing materials (ACM).

2.0 BUILDING DESCRIPTION

Eli Whitney is a one and partial two-story, 170,000± square foot structure built in 1956. Additions were constructed in 1959, 1970, 1974 and 1980.

The survey documented herein was designed to supplement the information in DELTA's July 2005 survey report. The prior report included characterization of "exposed" materials only; it did not include "destructive testing" necessary to access and evaluate all concealed ACM.

It is noted that this report contains the information from the 2005 survey as well as the new findings; therefore this report supersedes the 2005 report.

DELTA reviewed the following building plans in order to obtain information concerning overall building design and specific information concerning potential ACM used in construction.

REVIEW OF BUILDING CONSTRUCTION PLANS	
DATE/ARCHITECT	**SUMMARY**
6/25/54; Polak and Sullivan	Original building drawings depicting construction of A and B Wings. Finish schedule specifies "magnesite" flooring in some locations; these areas were tested and found to consist of a cementitious mixture containing asbestos, typically applied as a finish over concrete slabs to a 1½" thickness. The majority of the magnesite flooring is confined to the shop wing (B-Wing); though magnesite is also specified for "Industrial Chemicals and Materials Science Labs" A-109 and A-111 (this area is now occupied by three classrooms; 109, 111 and 113) and "General Science" Labs A-209 and A-211 (this area is now occupied by three labs; 207, 209 and 211).

REVIEW OF BUILDING CONSTRUCTION PLANS	
5/17/57; Polak and Sullivan	Drawings depict construction of C-Wing including cafeteria and gymnasium. The finish schedule specifies "Masterplate and Cement" (red colored metal oxide based flooring) throughout much of the wing (this material was tested and found not to contain asbestos). The wall section drawings depict "membrane flashing" embedded in the exterior walls at the base of wall sections, this material was tested and found to be ACM.
6/2/69; Damuck and Babbitt (Stamped "As-Builts" 4/70)	Drawings depict the following additions to the school: D-Wing (first floor); auto body shop portion of C-Wing; electronics theory and printing/lithography classrooms at the northwest portion of B-Wing. Foundation plan depicts "bituminous dampproofing" and "flashing" embedded in the exterior walls at the base of wall sections. The bituminous dampproofing painted on the foundation walls was tested and found to be ACM. The membrane flashing was also tested and found to contain asbestos.
6/29/70 (Finalized 7/14/72); Polak and Sullivan	Drawings depict the following additions to the school: Welding Shop at south end of C-Wing; and Drafting Shop at south end of D-Wing. Wall section drawings depict "membrane flashing" around steel beams and embedded in the exterior walls. The membrane flashing was tested and found not to contain asbestos.
10/31/80 (As-Builts); Carlin, Pozzi & Associates	Drawings depict the following additions to the school: culinary/kitchen area at the north end of C-Wing; extension to Dining Room at northeast portion of C-Wing; classrooms at the south end of B-Wing; and second floor of D-Wing (including west stairwells).

3.0 SUMMARY OF PREVIOUS ASBESTOS ABATEMENT

DELTA's review of DPW files found records of the following asbestos abatement projects in the building, listed in chronological order:

SUMMARY OF PREVIOUS ASBESTOS ABATEMENT	
DATE	**DESCRIPTION**
7/2/91 - 7/3/91	Removal of 6 rope fittings from Boiler Room.
6/15/92 - 7/30/92	Removal of 8100 square feet of flooring from Rooms 103, 105, Nurses' Office, 107, 109, 111, 205, 207, 209, 211. Work also apparently included ceiling demolition and removal of asbestos-containing pipe insulation above.
2/16/95 - 2/18/95	Removal of vinyl floor tile from Room 224.

SUMMARY OF PREVIOUS ASBESTOS ABATEMENT	
6/22/98 - 8/28/98	Removal of: 2200 linear feet of pipe and fitting insulation in the basement of A-Wing; 2100 linear feet of pipe and fitting insulation in the basement of B-Wing; 80 linear feet of pipe and fitting insulation in a tunnel connecting the basements of Wings A and B; and 20 square feet of heat exchanger insulation, 100 square feet of pipe fitting insulation and 60 square feet of hot water tank insulation in the basement of C-Wing.
2/15/99 - 2/19/99	Removal of unspecified quantities of asbestos pipe insulation and vinyl floor tile/mastic from: "First Floor Men's Room by Cafeteria, First Floor Staff Bathroom by Shops, Second Floor Men's Bathroom, Women's Staff Bathroom by Shops, First Floor Women's Room, Second Floor, Electrical Room/Locker Room".
6/30/99 - 7/20/99	Removal of vinyl floor tile and mastic from the following areas: 385 square feet from Room 204, 576 square feet from "First Floor Nurses' Station", 576 square feet from "First Floor NRZ/CDC Office", 50 square feet from "First Floor D2S Office". Removal of 3 square feet of pipe insulation from "area near main office".
7/7/03	Removal of 2 pipe fittings from B-Wing "Graphics Shop".
6/27/05 - 8/15/05	Removal of a total of approximately 31,275 square feet of asbestos-containing vinyl floor tile and mastic from the following areas: A-Wing western portion of first floor corridor and first floor fashion storage rooms; A-Wing second floor corridor and reading classrooms; C-Wing main dining room, faculty dining room, faculty dining room kitchen, storage rooms, former phone booths, dining room area corridor, south corridor and blueprint reading rooms; D-Wing first floor classrooms D-1, D-2, a portion of D-7 (LPN demonstration room, tile on tiered areas in this room was not abated), D-8, D-9, D-16, D-25, copier room and corridor; and D-Wing second floor corridor.
4/13/06 - 4/21/06	Removal of the following ACM: 1,025 square feet of asbestos-containing vinyl floor tile and mastic from the A-Wing Main Entrance Lobby and vestibule; and a total of 35 square feet of ACM pipe fitting insulation from the Generator Room within the Boiler Room in B-Wing, the B-Wing Machine Shop north locker room, the C-Wing food storage room immediately south of the faculty dining room kitchen, the C-Wing storage room immediately east of the women's bathroom, and the D-Wing first floor north custodian closet. An ACM "Transite" panel was also removed from the Generator Room.
6/21/07 - 8/10/07	Removal of a total of 16,430 square feet of asbestos-containing vinyl floor tile and mastic from the A-Wing Adult Education Office, A-Wing Main Office, A-Wing First Floor East Corridor, A-Wing Guidance Office, B-Wing Electronics Shop Cage Storage Area, B-Wing Plumbing Shop Office, B-Wing Carpentry Theory, B-Wing Machine Shop Theory, C-Wing Cafeteria (area under raised platform), D-Wing First Floor Dental Tech Storage and Office, D-Wing Second Floor Classrooms, Custodian Closet, Teacher's Lounge and North Storage Room and D-Wing Stairwells. Removal of 50 linear feet of pipe insulation and 170 square feet of pipe fitting insulation from B-Wing Generator Room, B-Wing Electronics Shop, B-Wing Plumbing Theory, C-Wing Auto Repair Shop and C-Wing Welding Shop. Removal of 240 square feet of glue daubs from B-Wing Plumbing Shop. Removal of 870 SF of Transite from C-Wing Welding Shop and 5 SF Transite from B-Wing Generator Room.

4.0 ASBESTOS SURVEY

4.1 Asbestos Sampling Procedures

Bulk samples of suspected ACM were collected by James P. McCarthy, P.E., and James D'Addio of DELTA, Connecticut Department of Public Health licensed inspectors. Samples were collected using a clean knife or other appropriate tool after first wetting the material to be sampled to limit fiber release.

Samples were placed in dedicated sealable plastic bags and promptly transmitted to the analytical laboratory using strict chain of custody procedures. Sampling was performed in accordance with Environmental Protection Agency protocols, which require a minimum of three negative results in order to establish that a material does not contain asbestos.

4.2 Asbestos Analytical Procedures

Analysis was performed by International Asbestos Testing Laboratories, Inc. (IATL), Mt. Laurel, New Jersey and Chemscope, Inc., North Haven, Connecticut. The laboratories are accredited by the National Institute of Standards and Technology.

Analysis was performed using Polarized Light Microscopy (PLM) Method EPA 600. Point counting was used to quantify asbestos content for all samples found to contain less than ten percent asbestos.

4.3 Analytical Results

Data from recent and prior bulk sampling are summarized in Table 5-1. The types and quantities of asbestos-containing materials identified are enumerated in the table in Appendix A. Laboratory data sheets are included in Appendix B. A summary of DELTA's findings for each of the building areas is provided below.

Summary of Non-Invasive Testing - July 2005

The non-invasive survey conducted in 2005 identified the following types of asbestos-containing materials (ACM) in the building through analytical sampling: various types of vinyl floor tile and mastic; red cementitious flooring in B-Wing and portions of A-Wing; glue daubs from 1' X 1' non-asbestos ceiling tile in A-Wing and B-Wing; sink pan sealant/undercoating in isolated areas of the building; pipe and pipe fitting insulation in various areas throughout the building; adhesive glue daubs behind chalkboards in various areas throughout the building; and window frame caulk and glazing in the majority of the building.

Asbestos-cement ("Transite") partitions in the C-Wing welding shop were identified as asbestos through review of building plans and visual inspection.

DELTA did not perform sampling of roofing materials at the school during the survey effort. A prior sampling report by EnviroMed Services, Inc. dated July 20, 2000, is included in Appendix C. The report identified asbestos containing roof flashing cement on the building.

Materials sampled by DELTA and found not to contain asbestos included: red cementitious ("Masterplate") flooring in C-Wing; skim coat over concrete block in D-Wing; sheetrock and joint compound; wallpaper and wallpaper adhesive; gray floor treatment in D-Wing; baseboard molding adhesive; various types of ceiling tile; sheet flooring over woven fabric in A-Wing; carpet adhesive; construction felt; plaster; floor levelastic; fume hood material; fabric coating on ceiling tile in D-Wing; terrazzo flooring; plastic wall covering in D-Wing; and ductwork joint caulk.

Summary of Invasive Testing - August 2006

Findings of invasive testing conducted by DELTA are briefly summarized below and are detailed in the Building Plan included in Appendix D. Testing was conducted on July 24, July 26, July 27, July 31, August 7 and August 14, 2006 and included: coring of exterior building walls to check for possible embedded ACM waterproofing membranes/tar; sampling of dampproofing on exterior foundation walls (below grade); coring of both concrete and wood floor systems to check for possible ACM in floor treatments and/or embedded vapor barriers; cutting of inspection holes in concealed ceiling systems (including plaster lath and acoustical ceiling tile glued to sheetrock); opening inspection holes into concealed plumbing chases; drilling and sampling of core insulation in fire doors; and opening of inspection holes in structural column enclosures to check for possible ACM fireproofing.

The findings of the invasive testing investigation are outlined below.

- **Exterior Walls/Foundations:**

A-WING - The original building drawings (*Polak & Sullivan*, 6/25/54) depict ACM waterproofing membrane embedded in the wall cavity of the exterior walls. The membrane is depicted as present on the first floor from grade to the height of the window sills. The membrane is shown from the height of the suspended ceiling line on the first floor to window sill height on the second floor; and again from the suspended ceiling height on the second floor to the roof level. The quantity of waterproofing membrane present is estimated as 21,000 square feet.

Bituminous dampproofing on exterior foundation walls does not contain asbestos.

B-WING - The exterior walls have ACM waterproofing membrane embedded in the wall cavity in both the original (circa 1956) building and addition (circa 1970) at the west side of the electronics/printing/lithography shops. The membrane was found at the base of the wall section (bottom one foot) and beneath the windows. The original building drawings (*Polak & Sullivan*, 6/25/54) depict the membrane as being continuous from the base of the wall section to under the window sills (approx. 4 feet) in the shop areas. A continuous membrane is also depicted around the transformer vault extending some 10 feet below grade to the boiler room floor. The south addition to the carpentry and machine shops (circa 1980) does not contain asbestos waterproofing membrane. The quantity of ACM waterproofing membrane in B-Wing is estimated as 3300 square feet.

Bituminous dampproofing on foundation walls in B-Wing does not contain asbestos.

C-WING - The exterior walls have ACM waterproofing membrane embedded in the wall cavity in the original (circa 1959) building and auto body addition (circa 1970). The membrane was found at the base of the wall section (bottom one foot). The south addition housing the welding shop (circa 1974) has non-ACM rubber waterproofing membrane in exterior walls. A non-ACM rubber membrane is present at the north (circa 1980) kitchen addition. The quantity of ACM waterproofing membrane in C-Wing is estimated as 1,200 square feet.

Bituminous dampproofing painted on foundation walls of the original (1959) building was tested and found to contain 10% chrysotile asbestos. The quantity of ACM dampproofing in C-Wing is estimated as 2,400 square feet.

D-WING - The original (circa 1970) building (the entire first floor with the exception of the 1974 addition) has ACM tar paper waterproofing membrane in exterior walls. The quantity of ACM waterproofing membrane in D-Wing is estimated as 750 square feet. The addition at south end of the first floor (circa 1974) has no waterproofing membrane in exterior walls. The second floor addition (circa 1980) has non-ACM rubber waterproofing membrane in exterior walls. Bituminous dampproofing (depicted on As-Builts by Damuck & Babbit, 4/70) painted on foundation walls of the original building was tested and found to contain 1.5 to 3.5% chrysotile asbestos. The quantity of ACM dampproofing is estimated as 750 linear feet or 2,250 square feet. The damproofing extends below grade.

- **Wood Floor Systems (B-Wing)**

Vapor barrier membranes beneath the wood floors in the B-Wing carpentry and electrical shops were accessed by core sampling, tested and found not to contain asbestos.

Layers of floor construction in the carpentry shop (1956 building) were found to consist of (from top to bottom): 3/4" tongue and groove wood flooring; thin (1/16" approx.) non-asbestos paper; 3/4" plywood; 2" wood sleepers approximately 16" o.c.; 2" concrete; thin (1/16" approx.) non-asbestos bituminous felt; and structural floor slab.

The construction of wood flooring in the southern addition portion (circa 1980) of the carpentry shop was found to be similar to the original portion, and the layer of felt in the floor system was also non-asbestos.

Layers of floor construction in the electrical shop were found to consist of (from top to bottom): 3/4" tongue and groove wood flooring; 3/4" plywood; thin (1/16" approx.) non-asbestos bituminous felt; 3/4" plywood; 2" wood sleepers approximately 16" o.c.; 2" concrete; thin (1/16" approx.) non-asbestos bituminous felt; and structural floor slab.

The electrical shop also has a below floor duct system which runs immediately underneath the two layers of wood flooring (depth of 1.5" below floor surface).

- **Wood Floor System (C-Wing Gymnasium)**

A vapor barrier membrane beneath the wood floor in the gymnasium was accessed by core sampling, tested and found not to contain asbestos.

Layers of floor construction in the gymnasium were found to consist of (from top to bottom): 1" tongue and groove wood flooring; 1" plywood; 2" wood sleepers approximately 16" o.c.; 2" concrete; thin (1/16" approx.) non-asbestos bituminous felt; and structural floor slab.

- **Concrete Floor Systems (Various Areas)**

Vapor barrier membranes beneath the concrete floor slabs in various areas were accessed by core sampling, tested and found not to contain asbestos. Specific findings for various areas are depicted on the floor plan in Appendix D.

- **Fire Door Core Material:**

Insulation in fire doors from A and C-Wings was tested and found not to contain asbestos. There was no suspect door core material found in other wings.

- **Concealed Thermal Systems Insulation:**

Concealed ACM pipe insulation was found above fixed ceilings on the first floor of A-Wing, B-Wing and C-Wing. The quantities and locations of these materials are enumerated in the inventory table in Appendix A.

- **Flashing Tar Above B-Wing Corridor Ceiling:**

ACM flashing tar (20% chrysotile asbestos) was discovered above the drop ceiling in the B-Wing corridor. The exposed flashing is approximately 4" high and is present at both sides of the corridor at the joint between the top of the wall section and the deck. Based on the original building drawings (*Polak & Sullivan*, 6/25/54), the flashing is also embedded between CMU blocks in the corridor walls. Removal of the flashing would require demolition of the top five courses (40") of CMU block. The flashing was evidently installed to provide waterproofing at the transition between the corridor and the shop roofs (which are at higher elevation). Approximately 600 linear feet of the flashing is present. If asbestos abatement of the material was desired, this results in removal of some 50 cubic yards (approximately 70 tons) of CMU block.

- **Column Enclosures:**

Tar present on columns in A-Wing (concealed behind non-ACM plaster) was sampled and found not to contain asbestos.

- **Cementitious ("Asbest-O-Lith") Flooring:**

Sampling confirmed that asbestos-containing cementitious flooring is present in some shop areas of B-Wing. The flooring is identified as "Magnesite" on the original building drawings.

- **Additional Investigation:**

Various other locations/areas were investigated with no finding of concealed ACM; the areas are depicted on the floor plan in Appendix D.

5.0 CONCLUSIONS

- **Summary of Survey Findings**

The survey identified the following types of asbestos-containing materials (ACM) existing in the building through analytical sampling: vinyl floor tile and mastic in isolated areas; red cementitious flooring in B-Wing; glue daubs from non-asbestos ceiling tile in A-Wing and B-Wing; sink pan sealant/undercoating in isolated areas of the building; pipe and pipe fitting insulation in various areas throughout the building; adhesive glue daubs behind chalkboards in various areas throughout the building; Transite board in limited areas; window frame caulk/glazing; bituminous dampproofing on exterior foundation walls; and waterproofing membrane/tar in exterior walls.

The specific types and quantities of asbestos-containing materials identified are enumerated in the table in Appendix A.

TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
1	151-811-1	White 12" Floor Tile with Grey Streaks	C-Wing North Cafeteria Corridor Near Kitchen 1980 Building	< 1% Chrysotile Asbestos (Point Count)
	151-811-2	Mastic		15% Chrysotile Asbestos
2	151-811-3	Tan 12" Floor Tile with Brown, White Streaks Above Sample #1	C-Wing North Cafeteria Corridor Near Kitchen 1980 Building	NAD
3	151-811-4	Tan 12" Floor Tile with Brown, White Streaks	C-Wing Corridor Near Auto Body Shop	< 1% Chrysotile Asbestos (Point Count)
	151-811-5	Mastic		27% Chrysotile Asbestos
4	151-811-6	Green 9" Floor Tile	D-Wing First Floor Corridor Near LPN Laboratory	< 1% Chrysotile Asbestos (Point Count)
	151-811-7	Mastic		25% Chrysotile Asbestos
5	151-811-8	Red Cementitious Flooring (Masterplate)	C-Wing Corridor Near Auto Laboratory	NAD

NOTE: "NAD" INDICATES NO ASBESTOS DETECTED

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
6	151-811-9 151-811-10	White 12" Floor Tile with Grey and Green Mottling Mastic	D-Wing Corridor Near Drafting 1974 Building	< 1% Chrysotile Asbestos (Point Count) 5% Chrysotile Asbestos (Point Count)
7	151-811-11 151-811-12	Skim Coat with Yellow/Green Paint over Concrete Block Concrete Block	D-Wing Corridor Near LPN Laboratory	NAD NAD
8	151-811-13 151-811-14	Skim Coat with Yellow/Green Paint over Concrete Block Concrete Block	D-Wing Corridor Near LPN Laboratory	NAD NAD
9	151-811-15	Joint Compound	D-Wing Copier Room North Wall	NAD
10	2190342	Red Cementitious Flooring	D-Wing Drafting Room D-1A	NAD

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ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
11	2190343	Orange/Brown 12" Floor Tile	D-Wing Bilingual Classroom D-1	1.4% Chrysotile Asbestos (Point Count)
12	2190344	Mastic From Orange/Brown 12" Floor Tile	D-Wing Bilingual Classroom D-1	1.6% Chrysotile Asbestos (Point Count)
13	2190345	Orange/Brown 12" Floor Tile Mastic	D-Wing Bilingual Classroom D-1	1.5% Chrysotile Asbestos (Point Count) 2.1% Chrysotile Asbestos (Point Count)
14	2190346	Joint Compound	D-Wing Bilingual Classroom D-1 At Column	0.3% Chrysotile Asbestos (Point Count)
15	2190347	Sheetrock	D-Wing Bilingual Classroom D-1 At Column	NAD
16	2190348	Wallpaper Yellow Mastic	D-Wing Folding Partition Drafting Room D-1A	NAD NAD
17	2190349	Mastic From Light Grey 9" Floor Tile	D-Wing Break Room Near D-3	3.5% Chrysotile Asbestos (Point Count)

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ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
18	2190350	Light Grey 9" Floor Tile	D-Wing Break Room Near D-3	2.5% Chrysotile Asbestos (Point Count)
19	2190351	Gray Floor Treatment	D-Wing LPN Lab Room D-3	NAD
20	2190352	Black 9" Floor Tile	D-Wing Corridor Near Dental Office D-19	1.4% Chrysotile Asbestos (Point Count)
21	2190353	Sink Pan Sealant (Black)	D-Wing Room D-24	1.3% Chrysotile Asbestos (Point Count)
22	2190354	Light Green 9" Floor Tile with White Streaks Mastic	D-Wing Room D-24	1.5% Chrysotile Asbestos (Point Count) 4.5% Chrysotile Asbestos (Point Count)
23	2190355	Sink Pan Sealant (Grey)	D-Wing Room D-17 SE Sink	NAD
24	2190356	Sink Pan Sealant (Black)	D-Wing Room D-17 SW Sink	1.3% Chrysotile Asbestos (Point Count)

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
25	2190357	Sink Pan Sealant (Grey)	D-Wing LPN Demonstration Room Room D-7	NAD
26	2190358	Gray Floor Treatment	D-Wing Dental Tech Lab Room D-15	NAD
27	2190359	Baseboard Molding Adhesive	D-Wing Bilingual Classroom Room D-8	NAD
28	2190360	Green 9" Floor Tile with White Streaks	D-Wing Bilingual Classroom Room D-8	1.5% Chrysotile Asbestos (Point Count)
29	2190361	Pipe Fitting	D-Wing Fitting on Domestic Water Line above Ceiling Near Room D-9	NAD
30	2190362	Pipe Fitting	D-Wing Fitting on Heating Line above Ceiling Near Room D-9	NAD
31	2190363	2' X 4' Pinhole Pattern Suspended Ceiling Tile	D-Wing Corridor Near Room D-9	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
32	2190364	2' X 4' Pinhole Pattern Suspended Ceiling Tile	D-Wing Corridor Near Room D-9	NAD
33	2190365	Pipe Fitting	D-Wing Fitting on Heating Line above Ceiling Near Room D-7	NAD
34	2190366	Sheetrock/Glue Daub	A-Wing Corridor Near Room 113 From 1' X 1' Ceiling Tile	NAD
35	2190367	Glue Daub	A-Wing Corridor Near Room 113 From 1' X 1' Ceiling Tile	NAD
36	2190368	1' X 1' Ceiling Tile Pinhole Pattern	A-Wing Corridor Near Room 113	NAD
37	2190369	2' X 2' Suspended Ceiling Tile	C-Wing Corridor Near Gym	NAD
38	2190370	Glue Daub	A-Wing Corridor Near Room 113 From 1' X 1' Ceiling Tile	NAD
39	2190371	1' X 1' Ceiling Tile Pinhole Pattern	A-Wing Corridor Near Room 113	NAD

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ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
40	2190372	Brown Sheet Flooring over Woven Fabric Yellow Mastic	A-Wing Conference Room 120 Beneath Carpet	NAD NAD
41	2190373	Brown Sheet Flooring over Woven Fabric	A-Wing Conference Room 120 Beneath Carpet	NAD
42	2190374	Sink Pan Sealant	A-Wing Fashion Classroom Room 122	NAD
43	2190375	2' X 2' Suspended Ceiling Tile	C-Wing Corridor Near Gym	NAD
44	2190376	Sheetrock Glue Daub	C-Wing Vestibule Near Cafeteria Corridor From 1' X 1' Ceiling Tile	NAD NAD
45	2190377	Tan 12" Floor Tile with White, Brown Streaks Tan Mastic	C-Wing Vestibule Near Cafeteria Corridor	NAD NAD

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ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
46	2190378	Red Cementitious Flooring	C-Wing Vestibule Near Cafeteria Corridor	NAD
47	2190379	Carpet Adhesive	A-Wing Social Studies Classroom 105	NAD
48	2190380	Tan 12" Floor Tile with White, Brown Streaks Mastic	A-Wing Dean of Students Room 107	NAD NAD
49	2190381	2' X 4' Rough Texture Suspended Ceiling Tile	A-Wing Dean of Students Room 107	NAD
50	2190382	Glue Daub	A-Wing Dean of Students Room 107 From Old 1' X 1' Pinhole Ceiling Tile Above Suspended Ceiling	NAD
51	2190383	Tan 12" Floor Tile with White, Brown Streaks	A-Wing Classroom 111	NAD
52	2190384	Mastic from Sample #51	A-Wing Classroom 111	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
53	2190385	Construction Felt above Suspended Ceiling	D-Wing Corridor Near Room 226	NAD
54	2190386	Glue Daub	A-Wing Corridor Ceiling Near Room 224	NAD
55	2190387	Tan 12" Floor Tile with White, Brown Streaks	A-Wing Room 224	NAD
56	2190388	Mastic from Sample #55	A-Wing Room 224	NAD
57	2190389	Tan 12" Floor Tile with White, Brown Streaks	A-Wing Room 224	NAD
58	2226577	Red Cementitious Flooring ("Masterplate")	C-Wing Men's Locker Room	NAD
59	2226578	Red Cementitious Flooring ("Masterplate")	C-Wing Gym NW Corner Storage Room	NAD
60	2226579	Red Cementitious Flooring	B-Wing Maintenance Office	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
61	2226580	Ceiling Plaster Top Coat	C-Wing Gym NW Corner Storage Room	NAD
62	2226581	Ceiling Plaster Brown Coat	C-Wing Gym NW Corner Storage Room	NAD
63	2226582	Pipe Fitting	C-Wing Food Storage Room Near Cafeteria	65% Chrysotile Asbestos
64	2226583	Red 9" Floor Tile Mastic	C-Wing Storage Room Next to Women's Bathroom	6.5% Chrysotile Asbestos (Point Count) 4.25% Chrysotile Asbestos (Point Count)
65	2226584	Red Cementitious Flooring ("Masterplate")	C-Wing Food Storage Room	NAD
66	2226585	Grey 9" Floor Tile Mastic	C-Wing Storage Closet at East End of South Cafeteria Corridor	8.25% Chrysotile Asbestos (Point Count) NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
67	2226586	Tan 12" Floor Tile with Brown and White Streaks Mastic	Men's Locker Room	2.5% Chrysotile Asbestos (Point Count) NAD
68	2226587	Green 9" Floor Tile Mastic	C-Wing Faculty Dining Room Kitchen	4.5% Chrysotile Asbestos (Point Count) 2.25% Chrysotile Asbestos (Point Count)
69	2226588	Grey Window Glazing	B-Wing Carpentry Shop	1.5% Chrysotile Asbestos (Point Count)
70	2226589	White Window Glazing	A-Wing Classroom 210	NAD
71	2226590	White 1' X 1' Ceiling Tile Pinhole Pattern	B-Wing Corridor Central Portion Near Double Doors	NAD
72	2226591	Dark Brown (Original) Glue Daub from White 1' X 1' Ceiling Tile Pinhole Pattern	B-Wing Corridor Central Portion Near Double Doors	NAD

NOTE: "NAD" INDICATES NO ASBESTOS DETECTED

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
73	2226592	Light Tan (Replacement) Glue Daub from White 1' X 1' Ceiling Tile Pinhole Pattern	B-Wing Corridor Central Portion Near Double Doors	NAD
74	2226593	Pipe Fitting on Roof Drain	B-Wing Plumbing Shop Theory Room	65% Chrysotile Asbestos
75	2226594	Pipe Insulation on Roof Drain	B-Wing Plumbing Shop Theory Room	10% Chrysotile Asbestos
76	2226595	Grey Window Glazing	B-Wing Plumbing Shop Classroom in NW Corner Loft	1.75% Chrysotile Asbestos (Point Count)
77	2226596	Red Cementitious Flooring	B-Wing Electrical Shop Men's Locker Room 1956 Building	NAD

NOTE: "NAD" INDICATES NO ASBESTOS DETECTED

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
78	2226597	Red Cementitious Flooring	B-Wing Printing Shop 1970 Building	1.75% Chrysotile Asbestos (Point Count)
79	2226598	Red Cementitious Flooring	B-Wing Electrical Shop Theory Room 1956 Building	2.25% Chrysotile Asbestos (Point Count)
80	2226599	Red Cementitious Flooring	B-Wing Corridor Near South Exit 1956 Building	NAD
81	2226600	Tan 12" Floor Tile with Pink, Brown, White Streaks Mastic	B-Wing Machine Shop Classroom 1980 Building	2.75% Chrysotile Asbestos (Point Count) NAD
82	2226601	Light Brown 12" Floor Tile Mastic	B-Wing Plumbing Shop SE Corner Loft	NAD NAD
83	2226602	Adhesive from behind Chalkboard	B-Wing Electrical Shop Theory Room	10% Chrysotile Asbestos

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
84	2226603	Red Cementitious Flooring	B-Wing Printing Shop Locker Room 1956 Building	2.25% Chrysotile Asbestos (Point Count)
85	2226604	Grey Window Glazing	B-Wing Plumbing Shop SE Corner Loft	1.5% Chrysotile Asbestos (Point Count)
86	2226605	Adhesive from behind Chalkboard	B-Wing Electronics Shop Theory Room	10% Chrysotile Asbestos
87	2226606	Green 9" Floor Tile Mastic	B-Wing Electronics Shop	2.75% Chrysotile Asbestos (Point Count) NAD
88	2226607	Baseboard Molding Adhesive	B-Wing Electronics Shop	NAD
89	2226608	Light Tan (Replacement) Glue Daub from White 1' X 1' Ceiling Tile Pinhole Pattern	B-Wing Corridor Central Portion Near Double Doors	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
90	2226609	Pipe Fitting	B-Wing Lithography SW Corner 1970 Building	NAD
91	2226610	Pipe Fitting	B-Wing Electronics Shop NW Corner 1956 Building	NAD
92	2226611	Dark Brown (Original) Glue Daub from White 1' X 1' Ceiling Tile Pinhole Pattern	B-Wing Corridor South End	1.25% Chrysotile Asbestos (Point Count)
93	2226612	Adhesive from behind Chalkboard	B-Wing Electronics Shop Theory Room	6.5% Chrysotile Asbestos (Point Count)
94	2226613	Adhesive from behind Chalkboard	B-Wing Printing Shop Classroom SW Corner	5.75% Chrysotile Asbestos (Point Count)
95	2226614	Window Frame Caulk	B-Wing Carpentry Shop	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
96	2226615	Baseboard Molding Adhesive	B-Wing Classroom at South End of Machine Shop 1980 Building	NAD
97	2226616	Window Glazing	B-Wing Classroom at South End of Machine Shop Former Exterior Window	NAD
98	2226617	Window Frame Caulk	B-Wing Classroom at South End of Machine Shop Former Exterior Window	3.75% Chrysotile Asbestos (Point Count)
99	2226618	Light Brown Mastic	A-Wing Room 214 Formerly Tiled Area	NAD
100	2226619	Brown Sheet Flooring over Woven Fabric	A-Wing Room 214	NAD
101	2226620	Dark Brown Mastic from beneath Sample 100	A-Wing Room 214	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
102	2226621	Dark Brown (Original) Glue Daub from White 1' X 1' Ceiling Tile Pinhole Pattern	A-Wing Room 214	1.5% Chrysotile Asbestos (Point Count)
103	2226622	Green Sheet Flooring over Woven Fabric	A-Wing Library Under Carpet	NAD
104	2226623	Green Sheet Flooring over Woven Fabric Yellow Mastic	A-Wing Library Under Carpet	NAD NAD
105	2226624	Levelastic with Brown Mastic beneath Sample 104	A-Wing Library Under Carpet	NAD
106	2226625	Brown Sheet Flooring over Woven Fabric	A-Wing Room 208	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
107	2226626	Tan 12" Floor Tile with Brown, White Streaks	A-Wing Second Floor Corridor Near Women's Bathroom	NAD
		Mastic from Above		NAD
		Green 9" Floor Tile beneath Tan 12" Floor Tile		3.0% Chrysotile Asbestos (Point Count)
		Mastic from Above		2.5% Chrysotile Asbestos (Point Count)
108	2226627	Brown Sheet Flooring over Woven Fabric	A-Wing Room 212	NAD
109	2226628	Tan 12" Floor Tile with White Streaks	Second Floor Classroom Next to Women's Bathroom	NAD
		Mastic		NAD
110	2226629	Fume Hood Material	Room 209	NAD
111	2226630	Fabric Coating on 2' X 4' Ceiling Tile	D-Wing Second Floor Corridor	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
112	2226631	Sink Pan Sealant	D-Wing Second Floor Computer Technology	20% Chrysotile
113	2226632	White 12" Floor Tile with Green Streaks Mastic	D-Wing Second Floor Computer Technology	2.0% Chrysotile Asbestos (Point Count) 1.25% Chrysotile Asbestos (Point Count)
114	2226633	White 12" Floor Tile with Green Streaks Mastic	D-Wing Second Floor Computer Technology	Not Analyzed* Not Analyzed*
115	2234157	Green Terrazzo	A-Wing First Floor West Stairwell Landing	Trace Chrysotile Asbestos (Point Count)

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
116	160-237-1	Green 12" Textured Finish (Non-Slip) Floor Tile	D-Wing First Floor NW Stairwell Landing	< 1% Chrysotile Asbestos (Point Count)
	160-237-2	Mastic		< 1% Chrysotile Asbestos (Point Count)
117	160-237-3	Green 12" Floor Tile	D-Wing First Floor NW Stairwell Landing	< 1% Chrysotile Asbestos (Point Count)
	160-237-4	Mastic		< 1% Chrysotile Asbestos (Point Count)
118	2234158	Pipe Fitting	D-Wing First Floor North Cust. Closet	6.8% Chrysotile Asbestos (Point Count)
119	2234159	Textured Non-Slip Strip	A-Wing First Floor West Landing	NAD
120	2234160	Brown Baseboard Molding Adhesive	C-Wing Corridor 10' North of South Entrance 1974 Building	NAD
121	2234161	Brown Baseboard Molding Adhesive	C-Wing Corridor Near Auto Body Office 1970 Building	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
122	2234162	2' X 2' Suspended Ceiling Tile - Rough Surface Texture Pinhole Pattern	C-Wing Corridor 1974 Building	NAD
123	2234163	2' X 2' Suspended Ceiling Tile - Rough Surface Texture Pinhole Pattern	C-Wing Corridor to Women's Locker Room 1959 Building	NAD
124	2234164	2' X 2' Suspended Ceiling Tile - Smooth Surface Texture	C-Wing Corridor to Women's Locker Room 1959 Building	NAD
125	160-237-5 160-237-6	Tan 12" Floor Tile with Brown, White Streaks Mastic	C-Wing Corridor Near North End of Blueprint Room 1974 Building	Not Analyzed* 15% Chrysotile Asbestos
126	160-237-7 160-237-8	Tan 12" Floor Tile with Brown, White Streaks Mastic	C-Wing Corridor Near North End of Blueprint Room 1974 Building	Not Analyzed* Not Analyzed*
127	160-237-9 160-237-10	Tan 12" Floor Tile with Brown, White Streaks Mastic	C-Wing Corridor Near North End of Blueprint Room 1974 Building	Not Analyzed* Not Analyzed*

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
128	160-237-11	White 12" Floor Tile with Green Streaks	Dining Room Addition 1980 Building	Not Analyzed*
	160-237-12	Mastic		14% Chrysotile Asbestos
129	160-237-13	White 12" Floor Tile with Green Streaks	Dining Room Addition 1980 Building	Not Analyzed*
	160-237-14	Mastic		Not Analyzed*
130	160-237-15	White 12" Floor Tile with Green Streaks	Dining Room Addition 1980 Building	Not Analyzed*
	160-237-16	Mastic		Not Analyzed*
131	2234165	Brown Baseboard Molding Adhesive	C-Wing Dining Room 1980 Addition	NAD
132	2234166	Yellow Baseboard Molding Adhesive	C-Wing Cafeteria Corridor Opposite Elevator 1959 Building	NAD
133	160-237-17	Tan 12" Tile with White, Brown Streaks	C-Wing Corridor South of Cafeteria 20' West of East Entrance	Not Analyzed*
	160-237-18	Red 9" Floor Tile/Orange Mastic (Beneath Above Layer)		14% Chrysotile Asbestos

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
134	160-237-19	Tan 12" Tile with White, Brown Streaks	C-Wing Corridor West of Cafeteria Opposite Food Storage Room	Not Analyzed*
135	160-237-20	Black 9" Floor Tile Border beneath Sample 134	C-Wing Corridor West of Cafeteria Opposite Food Storage Room	23% Chrysotile Asbestos
136	160-237-21	Tan 12" Tile with White, Brown Streaks	C-Wing Corridor West of Cafeteria Near South Entrance to Faculty Dining Room	Not Analyzed*
137	160-237-22	Black 9" Floor Tile Border	C-Wing Corridor West of Cafeteria Near South Entrance to Faculty Dining Room	Not Analyzed*
138	160-237-23	Black 9" Floor Tile Border with Yellow Mastic	C-Wing Corridor Near North Entrance to Faculty Dining Room Beneath Tan 12" Floor Tile	14% Chrysotile Asbestos
139	160-237-24	Black Cementitious Flooring ("Masterplate")	C-Wing Corridor 1970 Building Near Auto Body	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
140	2234167	Dark Tan Window Frame Caulk	C-Wing Auto Repair Shop Theory Room (1959 Building) South Side Near Exit Door	6.2% Chrysotile Asbestos (Point Count)
141	2234168	Grey Window Frame Caulk	C-Wing Welding Shop NW Corner Window (1974 Building)	0.75% Chrysotile Asbestos (Point Count)
142	2234169	Grey Window Frame Caulk	C-Wing Welding Shop NW Corner Window (1974 Building)	0.5% Chrysotile Asbestos (Point Count)
143	2234170	Red Cementitious Flooring ("Masterplate")	C-Wing Corridor to Women's Locker Room	NAD
144	160-287-1	Yellow Mastic from Tan 12" Tile with White, Brown Streaks	C-Wing Cafeteria Corridor North End 1980 Building	NAD
145	160-287-2	Green 12" Floor Tile with White Streaks	D-Wing Second Floor Corridor	Not Analyzed*
	160-287-3	Mastic		1-2% Chrysotile Asbestos (Point Count)

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
146	160-287-4	Green 12" Floor Tile with White Streaks	D-Wing Second Floor Corridor	Not Analyzed*
	160-287-5	Mastic		18% Chrysotile Asbestos
147	160-287-6	Green 12" Floor Tile with White Streaks	D-Wing Second Floor Corridor	Not Analyzed*
	160-287-7	Mastic		Not Analyzed*
148	160-287-8	Black Tile Border	Main Dining Room NE Corner	9% Chrysotile Asbestos (Point Count)
	160-287-9	Mastic		< 1% Chrysotile Asbestos (Point Count)
149	160-287-10	Black Tile Border	Main Dining Room NE Corner	Not Analyzed*
	160-287-11	Mastic		< 1% Chrysotile Asbestos (Point Count)
150	160-287-12	Black Tile Border	Main Dining Room NE Corner	Not Analyzed*
	160-287-13	Mastic		< 1% Chrysotile Asbestos (Point Count)

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
151	160-287-14	Tan 12" Tile with White, Brown Streaks	C-Wing Near NW Entrance to Main Dining Room	Not Analyzed*
	160-287-15	Red 9" Floor Tile/Orange Mastic (Beneath Above Layer)		11% Chrysotile Asbestos
152	160-287-16	Tan 12" Tile with White, Brown Streaks	C-Wing Corridor South of Main Dining Room	Not Analyzed*
	160-287-17	Red 9" Floor Tile/Orange Mastic (Beneath Above Layer)		Not Analyzed*
153	160-287-18	Tan 12" Tile with White, Brown Streaks	C-Wing Near NW Entrance to Main Dining Room	Not Analyzed*
	160-287-19	Black 9" Floor Tile Border/Orange Mastic (Beneath Above Layer)		20% Chrysotile Asbestos
154	160-287-20	Red Cementitious Flooring ("Masterplate")	C-Wing Near NW Corner of Gym	NAD
155	160-287-21	Red Cementitious Flooring ("Masterplate")	C-Wing Corridor Near Men's Locker Room	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
156	160-287-22	Red Cementitious Flooring ("Masterplate")	Vestibule Near Exterior Exit C-Wing Near SE Corner of A-Wing	NAD
157	160-287-23	Red Cementitious Flooring	C-Wing Welding Shop 1974 Addition	NAD
158	160-287-24 160-287-25	Tan 12" Floor Tile Mastic	C-Wing Corridor South of Cafeteria on Ramp (Lower Layer)	Not Analyzed* 21% Chrysotile Asbestos
159	160-287-26 160-287-27	Tan 12" Floor Tile (Non-Slip Texture) Mastic	C-Wing Corridor South of Cafeteria on Ramp (Top Layer)	Not Analyzed* Not Analyzed*
160	2306342	Interior Window Frame Caulk	D-Wing Second Floor Women's Bathroom	NAD
161	2306343	Interior Window Frame Caulk	D-Wing Second Floor Corridor North End - West Side	NAD

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ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
162	2306344	Interior Window Frame Caulk	D-Wing Second Floor Corridor South End - East Side	NAD
163	2306345	White 12" Floor Tile with Green Streaks Mastic	D-Wing Second Floor Custodian Closet	1.2% Chrysotile Asbestos (Point Count) 5.5% Chrysotile Asbestos (Point Count)
164	2306346	Plastic Wall Covering over Sheetrock	D-Wing Second Floor Corridor North End	NAD
165	2306347	Plastic Wall Covering over Sheetrock	D-Wing Second Floor Corridor North End	NAD
166	2306348	Plastic Wall Covering over Sheetrock	D-Wing Second Floor Corridor North End	NAD
167	2306349	White Base Molding Adhesive	D-Wing Second Floor Corridor North End	NAD

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ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
168	2306350	White Base Moiding Adhesive	D-Wing Second Floor Corridor North End	NAD
169	2306351	White Base Molding Adhesive	D-Wing Second Floor Corridor North End	NAD
170	2306352	Joint Compound	D-Wing Second Floor Teacher's/Break Room NE Corner	NAD
171	2306353	Joint Compound	D-Wing Second Floor Teacher's/Break Room NW Corner	NAD
172	2306354	Joint Compound	D-Wing Second Floor Math Lab 226 SW Corner	NAD
173	2306355	Brown Base Molding Adhesive	D-Wing Second Floor Teacher's/Break Room NE Corner	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
174	2306356	Sheetrock	D-Wing Second Floor Vestibule to Women's Bathroom	NAD
175	2306357	Sheetrock	D-Wing Second Floor Custodian Closet	NAD
176	2306358	Exterior Window Glazing	A-Wing Classroom 122	1.5% Chrysotile Asbestos (Point Count)
177	2306359	Exterior Window Glazing	A-Wing Classroom 121	Not Analyzed*
178	2306360	Exterior Window Frame Caulk	A-Wing Classroom 121	10% Chrysotile Asbestos
179	2306361	Exterior Window Frame Caulk	A-Wing Classroom 121	Not Analyzed*

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ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
180	2306362	Exterior Window Frame Caulk	A-Wing Classroom 106	Not Analyzed*
181	2306363	Exterior Window Glazing	C-Wing Cafeteria NW Corner	1.3% Chrysotile Asbestos (Point Count)
182	2306364	Exterior Window Glazing	C-Wing Cafeteria NW Corner	Not Analyzed*
183	2306365	Exterior Window Glazing	C-Wing Cafeteria NW Corner	Not Analyzed*
184	2306366	Exterior Window Frame Caulk	C-Wing 1980 Addition at Culinary Theory Room	NAD
185	2306367	Exterior Window Frame Caulk	C-Wing 1980 Addition at Culinary Theory Room	NAD
186	2306368	Exterior Window Frame Caulk	C-Wing 1980 Addition at Culinary Theory Room	NAD

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ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
187	2306369	Exterior Window Frame Caulk	At Base of Window Metal Panel Assembly West of Main Entrance	7.8% Chrysotile Asbestos (Point Count)
188	2306370	Pipe Fitting Insulation	C-Wing Auto Body Shop NW Corner Loft	NAD
189	2306371	Pipe Fitting Insulation	C-Wing Auto Body Shop NW Corner Loft	NAD
190	2306372	Pipe Fitting Insulation	C-Wing Auto Body Shop NW Corner Loft	NAD
191	2306373	Ductwork Joint Caulk	C-Wing Auto Body Shop Exhaust Duct on "Prep Master" Booth	NAD
192	161-54-1	Glue Daub from 1' X 1' Ceiling Tile	C-Wing Auto Repair Shop Storage Next to Women's Bathroom	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
193	161-54-2	Glue Daub from 1' X 1' Ceiling Tile	C-Wing Auto Repair Shop Storage Next to Women's Bathroom	NAD
194	161-54-3	Glue Daub from 1' X 1' Ceiling Tile	C-Wing Auto Repair Shop Storage Next to Women's Bathroom	NAD
195	161-54-4	Blue Granite Pattern Sheet Vinyl	C-Wing Auto Repair Shop Women's Bathroom	NAD
196	161-54-5	Blue Granite Pattern Sheet Vinyl	C-Wing Auto Repair Shop Women's Bathroom	NAD
197	161-54-6	Blue Granite Pattern Sheet Vinyl	C-Wing Auto Repair Shop Women's Bathroom	NAD
198	161-54-7	Window Frame Caulk	C-Wing Auto Repair Shop Interior Window at Classroom	5% Chrysotile Asbestos (Point Count)

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
199	161-54-8	Window Frame Caulk	C-Wing Auto Repair Shop Interior Window at Classroom	Not Analyzed*
200	161-54-9	Window Frame Caulk	C-Wing Auto Repair Shop Interior Window at Classroom	Not Analyzed*
201	161-54-10	Joint Compound	C-Wing Auto Repair Shop Office at West Central Portion SE Corner	NAD
202	161-54-11	Joint Compound	C-Wing Auto Repair Shop Theory Room at SE Corner NW Corner	NAD
203	161-54-12	Joint Compound	C-Wing Auto Repair Shop Theory Room at SE Corner SW Corner	NAD
204	161-54-13	Boiler Breeching	Boiler Room	NAD
205	161-54-14	Mudded Insulation Beneath Boiler	Boiler Room	NAD

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TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT				
SAMPLE No.	**LAB SAMPLE ID**	**MATERIAL**	**LOCATION**	**RESULTS**
206	161-54-15	Window Frame Caulk	D-Wing NW Corner Corridor Window	NAD
207	161-54-16	Window Frame Caulk	D-Wing NW Corner Corridor Window	NAD
208	161-54-17	Window Frame Caulk	D-Wing NW Corner Corridor Window	NAD
209	161-54-18	Window Glazing	D-Wing NW Corner Corridor Window	NAD
210	161-54-19	Exterior Expansion Joint Caulk	D-Wing NW Corner	NAD
INVASIVE TESTING RESULTS				
1 (7/31/06)	2668559	Waterproofing Membrane in Wall Cavity	D-Wing North End Connecting Corridor to A-Wing	NAD
2 (7/31/06)	2668560	Waterproofing Membrane in Wall Cavity	D-Wing North End	NAD
3 (7/31/06)	2668561	Waterproofing Tar on Foundation Wall	D-Wing North End	1.5% Chrysotile Asbestos (Point Count)
4 (7/31/06)	2668562	Waterproofing Membrane in Wall Cavity	D-Wing North End Outside Life Skills Classroom	3.5% Chrysotile Asbestos (Point Count)

TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
5 (7/31/06)	2668563	Waterproofing Membrane in Wall Cavity	B-Wing North End Outside Maintenance Office	20% Chrysotile Asbestos
6 (7/31/06)	2668564	Waterproofing Tar on Foundation Wall	B-Wing North End Outside Maintenance Office	NAD
7 (7/31/06)	2668565	Waterproofing Tar on Foundation Wall	B-Wing 1970 Addition	NAD
8 (7/31/06)	2668566	Waterproofing Membrane in Wall Cavity	B-Wing North End Outside Plumbing Shop 41" From Grade (under window)	20% Chrysotile Asbestos
9 (7/31/06)	2668567	Waterproofing Membrane in Wall Cavity	B-Wing North End Outside Lithography Theory	10% Chrysotile Asbestos
10 (7/31/06)	2668568	Waterproofing Membrane in Wall Cavity	C-Wing Auto Repair Shop West Side 6" From Grade	20% Chrysotile Asbestos
11 (7/31/06)	2668569	Waterproofing Membrane in Wall Cavity	C-Wing Auto Repair Shop South Side 5" From Grade	10% Chrysotile Asbestos
12 (7/31/06)	2668570	Waterproofing Membrane in Wall Cavity	C-Wing Corridor Opposite Auto Body 12" From Grade	NAD

TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
13 (7/31/06)	2668571	Waterproofing Membrane in Wall Cavity	C-Wing Welding Shop North Side 11" From Grade	NAD
14 (7/31/06)	2668572	Waterproofing Membrane in Wall Cavity	C-Wing Kitchen 1980 Addition Southeast Portion 7" From Grade	NAD
15 (7/31/06)	2668573	Waterproofing Membrane in Wall Cavity	C-Wing Kitchen Original Building East Side 33" From Grade 3" From Bottom of Brick Course	10% Chrysotile Asbestos
16 (7/31/06)	2668574	Waterproofing Membrane in Wall Cavity	C-Wing Gym Near East Exit	10% Chrysotile Asbestos
17 (7/31/06)	2668575	Exterior Caulk	C-Wing Gym Base of Foundation	10% Chrysotile Asbestos
18 (7/31/06)	2668576	Window Caulk	C-Wing West Kitchen Window	4.5% Chrysotile Asbestos (Point Count)
19 (7/31/06)	2668577	Window Sill	C-Wing Cafeteria East Side	NAD
20 (7/31/06)	2668578	Window Sill	C-Wing Corridor Outside Gym West Side	NAD

TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
21 (7/31/06)	2668579	Vapor Barrier Membrane	B-Wing Under Wood Floor in Electrical Shop	NAD
22 (7/31/06)	2668580	Cementitious Flooring	B-Wing Electrical Shop Theory Room	NAD
23 (7/31/06)	2668581	Cementitious Flooring	B-Wing Plumbing Shop	1.2% Chrysotile Asbestos (Point Count)
24 (7/31/06)	2668582	Cementitious Flooring	B-Wing Machine Shop Locker Room	NAD
25 (7/31/06)	2668583	Cementitious Flooring	B-Wing Machine Shop Trades Area	1.5% Chrysotile Asbestos (Point Count)
26 (7/31/06)	2668584	Cementitious Flooring	B-Wing Lithography Shop	1.3% Chrysotile Asbestos (Point Count)
27 (7/31/06)	2668585	Cementitious Flooring	B-Wing Lithography Shop	Trace Chrysotile Asbestos
28 (7/31/06)	2668586	Cementitious Flooring	B-Wing Corridor	NAD
1 (8/11/06)	2675735	Pipe Insulation	A-Wing First Floor Men's Room Riser in Plumbing Chase	40% Chrysotile Asbestos
2 (8/11/06)	2675736	Fire Door Core Material	A-Wing First Floor Custodian Closet Near Women's Bathroom	NAD

TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
3 (8/11/06)	2675737	Tar/Plaster on Column	A-Wing First Floor Hairdressing Classroom	NAD
4 (8/11/06)	2675738	Interior Flashing Tar	B-Wing Corridor At Wall/Ceiling Joint	30% Chrysotile Asbestos
5 (8/11/06)	2675739	Interior Flashing Tar	B-Wing Corridor At Wall/Ceiling Joint	10% Chrysotile Asbestos
6 (8/11/06)	2675740	Interior Flashing Tar	B-Wing Corridor At Wall/Ceiling Joint	20% Chrysotile Asbestos
7 (8/11/06)	2675741	Laminated Countertop/Adhesive	A-Wing First Floor Men's Room	NAD
8 (8/11/06)	2675742	Window Sill	A-Wing First Floor Men's Room	NAD
9 (8/11/06)	2675743	Fire Door Core Material	C-Wing Men's Locker Room	NAD
10 (8/11/06)	2675744	Backing on Fiberglass Batt Insulation	C-Wing Men's Locker Room Above Ceiling	NAD
11 (8/11/06)	2675745	Ceiling Plaster	C-Wing Men's Locker Room	NAD
12 (8/11/06)	2675746	Tar/Plaster on Column	A-Wing First Floor Fashion Classroom	NAD
13 (8/11/06)	2675747	Fire Door Core Material	A-Wing First Floor Custodian Closet Near Men's Bathroom	NAD

TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT				
SAMPLE No.	**LAB SAMPLE ID**	**MATERIAL**	**LOCATION**	**RESULTS**
14 (8/11/06)	2675748	Tar/Plaster on Column	A-Wing Second Floor Room 204	NAD
15 (8/11/06)	2675749	Tar/Plaster on Column	A-Wing Second Floor Room 225	NAD
16 (8/11/06)	2675750	Red Cementitious Flooring	B-Wing Plumbing Shop	NAD
17 (8/11/06)	2675751	Red Cementitious Flooring	B-Wing Machine Shop Locker Room	NAD
18 (8/11/06)	2675752	Red Cementitious Flooring	B-Wing Machine Shop Central Portion	NAD
19 (8/11/06)	2675753	Vapor Barrier	C-Wing Corridor Outside Auto Body Beneath Floor Slab	NAD
20 (8/11/06)	2675754	Red Cementitious Flooring	C-Wing Auto Repair	NAD
21 (8/11/06)	2675755	Red Cementitious Flooring	C-Wing Men's Locker Room	NAD
22 (8/11/06)	2675756	Grout/Mortar Beneath Ceramic Tile	C-Wing Welding Shop Bathroom	NAD
23 (8/11/06)	2675757	Red Cementitious Flooring	C-Wing Men's Locker Room Bathroom	NAD
24 (8/11/06)	2675758	Red Cementitious Flooring	D-Wing Drafting Shop	NAD

TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT				
SAMPLE No.	**LAB SAMPLE ID**	**MATERIAL**	**LOCATION**	**RESULTS**
25 (8/11/06)	2675759	Red Cementitious Flooring	C-Wing Welding Shop	NAD
26 (8/11/06)	2675760	White Ceramic Tile/Grout/Mortar/ Old Tile Mastic	C-Wing Northwest Corner Bathroom	NAD
27 (8/11/06)	2675761	Ceramic Tile Mortar	D-Wing South End Men's Bathroom	NAD
28 (8/11/06)	2675762	Vapor Barrier	C-Wing Men's Locker Room Beneath Floor Slab	NAD
1 (8/15/06)	2678177	Vapor Barrier/Felt Beneath Wood Flooring	C-Wing Gym West Side	NAD
2 (8/15/06)	2678178	Vapor Barrier/Felt Beneath Wood Flooring	B-Wing Carpentry Shop North Side	NAD
3 (8/15/06)	2678179	Vapor Barrier/Felt Beneath Wood Flooring	B-Wing Carpentry Shop South Side	NAD
4 (8/15/06)	2678180	Vapor Barrier/Felt Beneath Wood Flooring	B-Wing Electrical Shop North Side	NAD
1 (1/24/07)	2828103	Vapor Barrier/Felt Beneath Floor Slab	C-Wing Auto Repair Shop	NAD
2 (1/24/07)	2828104	Waterproofing Membrane in Wall Cavity	D-Wing 9" From Grade North End	NAD

TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT				
SAMPLE No.	**LAB SAMPLE ID**	**MATERIAL**	**LOCATION**	**RESULTS**
3 (1/24/07)	2828105	Cementitious Flooring White (Lower) Layer	B-Wing Machine Shop 1.5" Depth from Top of Slab	2.6% Chrysotile Asbestos (Point Count)
4 (1/24/07)	2828106	Cementitious Flooring White (Lower) Layer	B-Wing Plumbing Shop 1.3" Depth from Top of Slab	2.4% Chrysotile Asbestos (Point Count)
5 (1/24/07)	2828107	Cementitious Flooring Red (Top) Layer	B-Wing Tool and Die Shop SE Corner North of Office	2.5% Chrysotile Asbestos (Point Count)
6 (1/24/07)	2828108	Cementitious Flooring Red (Top) Layer	B-Wing Tool and Die Shop 30' North of Office	1.0% Chrysotile Asbestos (Point Count)
7 (1/24/07)	2828109	Cementitious Flooring Red (Top) Layer	B-Wing Tool and Die Shop Office	1.0% Chrysotile Asbestos (Point Count)
8 (1/24/07)	2828110	Cementitious Flooring Red (Top) Layer	B-Wing Machine Shop Tool Crib	0.75% Chrysotile Asbestos (Point Count)
9 (1/24/07)	2828111	Cementitious Flooring Red (Top) Layer	B-Wing Plumbing Shop South End	NAD
10 (1/24/07)	2828112	Cementitious Flooring Red (Top) Layer	B-Wing Lithography Shop 1970 Addition - Theory Room	1.9% Chrysotile Asbestos (Point Count)
11 (1/24/07)	2828113	Cementitious Flooring Red (Top) Layer	B-Wing Electronics Shop 1956 Building	0.75% Chrysotile Asbestos (Point Count)

TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT				
SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
12 (1/24/07)	2828114	Cementitious Flooring Red (Top) Layer	B-Wing Electronics Shop 1970 Addition SW Corner	1.3% Chrysotile Asbestos (Point Count)
1 (7/31/07)	3040425	Cementitious Flooring Red (Top) Layer	B-Wing Plumbing Shop Locker Room	NAD
2 (7/31/07)	3040426	Cementitious Flooring Red (Top) Layer	B-Wing Plumbing Shop Theory Classroom	NAD
3 (7/31/07)	3040427	Cementitious Flooring Red (Top) Layer	B-Wing Printing Shop Locker Room	NAD
4 (7/31/07)	3040428	Cementitious Flooring Red (Top) Layer	B-Wing Electronics Shop Locker Room	NAD
5 (7/31/07)	3040429	Cementitious Flooring Red (Top) Layer	B-Wing Boiler Room	NAD
6 (7/31/07)	3040430	Cementitious Flooring Red (Top) Layer	B-Wing Maintenance Office/Lounge	NAD
7 (7/31/07)	3040431	Cementitious Flooring Red (Top) Layer	B-Wing Electrical Shop Locker Room	NAD
8 (7/31/07)	3040432	Gray Window Glazing	D-Wing First Floor 1970 Building	2.7% Chrysotile Asbestos (Point Count)

TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT				
SAMPLE No.	**LAB SAMPLE ID**	**MATERIAL**	**LOCATION**	**RESULTS**
9 (7/31/07)	3040433	Gray Window Glazing	D-Wing First Floor 1970 Building	Not Analyzed
10 (7/31/07)	3040434	Gray Window Caulk	D-Wing First Floor 1970 Building	NAD
11 (7/31/07)	3040435	Gray Window Glazing	D-Wing First Floor 1970 Building	NAD
12 (7/31/07)	3040436	Gray Window Glazing	D-Wing First Floor 1974 Building	15% Chrysotile Asbestos
13 (7/31/07)	3040437	Gray Window Glazing	D-Wing First Floor 1974 Building	Not Analyzed
14 (7/31/07)	3040438	Gray Window Caulk	D-Wing First Floor 1974 Building	NAD
15 (7/31/07)	3040439	Gray Window Caulk	D-Wing First Floor 1974 Building	NAD
16 (7/31/07)	3040440	Waterproofing Membrane/Tar	D-Wing First Floor 1970 Building	4.3% Chrysotile Asbestos (Point Count)

TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
17 (7/31/07)	3040441	Waterproofing Membrane/Tar	D-Wing First Floor 1970 Building	6.4% Chrysotile Asbestos (Point Count)
18 (7/31/07)	3040442	Chalkboard Material Adhesive	D-Wing First Floor Room D-4	NAD 10% Chrysotile Asbestos
19 (7/31/07)	3040443	Chalkboard Adhesive	D-Wing First Floor Room D-4	7.2% Chrysotile Asbestos (Point Count)
20 (7/31/07)	3040444	Chalkboard Material	D-Wing Room 227	NAD
21 (7/31/07)	3040445	Chalkboard Adhesive Sheetrock (Behind Chalkboard)	D-Wing Room 227	0.5% Chrysotile Asbestos (Point Count) NAD
22 (7/31/07)	3040446	Joint Compound (Behind Chalkboard)	D-Wing Room 227	NAD
23 (7/31/07)	3040447	Joint Compound	D-Wing Room 230-B SE Storage Room	NAD
24 (7/31/07)	3040448	Chalkboard Adhesive	D-Wing Room 230-B	1.2% Chrysotile Asbestos (Point Count)
25 (7/31/07)	3040449	Chalkboard Adhesive	D-Wing Room 230-B	Not Analyzed
26 (7/31/07)	3040450	Chalkboard Material	D-Wing Room 231-B	NAD

TABLE 5-1: BULK SAMPLE SUMMARY FOR SUSPECT ASBESTOS-CONTAINING MATERIALS
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

SAMPLE No.	LAB SAMPLE ID	MATERIAL	LOCATION	RESULTS
27 (7/31/07)	3040451	Chalkboard Adhesive Sheetrock (Behind Chalkboard)	D-Wing Room 231-B	0.75% Chrysotile Asbestos (Point Count) NAD
28 (7/31/07)	3040452	Sheetrock (Behind Chalkboard) Joint Compound (Behind Chalkboard)	D-Wing Room 231-B	NAD NAD
29 (7/31/07)	3040453	Chalkboard Adhesive Sheetrock (Behind Chalkboard)	D-Wing Room 231-B	Trace Chrysotile Asbestos (Point Count) NAD
30 (7/31/07)	3040454	Sheetrock Joint Compound	B-Wing Plumbing Shop Theory Room	NAD NAD
31 (7/31/07)	3040455	Ceramic Tile Mud/Mortar	B-Wing Printing Shop Locker Room	NAD
32 (7/31/07)	3040456	Ceramic Tile Grout	B-Wing Printing Shop Locker Room	NAD
33 (7/31/07)	3040457	Skim Coat Over CMU	D-Wing Second Floor Women's Bath in Teacher's Lounge	NAD

NOTE: "NAD" INDICATES NO ASBESTOS DETECTED

* EPA protocols consider one positive result as confirmation that a material contains asbestos. If the first sample of a material is found to contain asbestos, no further confirmation is necessary and any additional samples are therefore not analyzed.

TABLE 5-2: ASBESTOS-CONTAINING MATERIAL ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT			
HOMOGENEOUS AREA NUMBER	**MATERIAL DESCRIPTION**	**LOCATION**	**ASBESTOS TYPE AND CONTENT (%)**
21, 24	Stainless Steel Sink Pan Sealant (Black)	D-Wing Rooms D-17, D-24	1.3% Chrysotile
63	Pipe Fitting Insulation	C-Wing Various Locations	65% Chrysotile
69, 76, 85	Window Glazing	B-Wing	1.5% - 1.75% Chrysotile
74	Pipe Fitting Insulation	B-Wing Various Locations	65% Chrysotile
75	Pipe Insulation	B-Wing Plumbing Shop Theory Room	10% Chrysotile
1 (8/11/06)	Pipe Insulation	A-Wing Men's Bathroom Plumbing Chase	40% Chrysotile
78	Red Cementitious Flooring ("Asbest-O-Lith")	B-Wing 1970 Addition	1.75% Chrysotile
79, 84	Red Cementitious Flooring ("Asbest-O-Lith")	B-Wing Original (1956) Building	2.25% Chrysotile
81	Tan 12" Floor Tile with Pink, Brown, White Streaks	B-Wing Machine Shop Classroom 1980 Addition	2.75% Chrysotile
83	Adhesive Behind Chalkboards	B-Wing Original (1956) Building	10% Chrysotile
86, 93, 94	Adhesive Behind Chalkboards	B-Wing 1970 Addition	5.75% - 10% Chrysotile

TABLE 5-2: ASBESTOS-CONTAINING MATERIAL ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT			
HOMOGENEOUS AREA NUMBER	**MATERIAL DESCRIPTION**	**LOCATION**	**ASBESTOS TYPE AND CONTENT (%)**
87	Green 9" Floor Tile	B-Wing Electronics Cage Area	2.75% Chrysotile
92, 102	Glue Daubs from 1' X 1' Ceiling Tile	A and B Wings	1.25% - 1.5% Chrysotile
98	Window Frame Caulk	B-Wing	3.75% Chrysotile
107	Green 9" Floor Tile	A-Wing Eastern Portion of Corridor (Lower Layer) and Portions of Main Office (Room 110)	3.0% Chrysotile
107	Mastic From Above	A-Wing Eastern Portion of Corridor (Lower Layer) and Portions of Main Office (Room 110)	2.5% Chrysotile
112	Stainless Steel Sink Pan Sealant (Black)	D-Wing Second Floor Computer Technology	20% Chrysotile
113, 163	White 12" Floor Tile with Green Streaks	D-Wing Second Floor Classrooms and Stairwell Landings	1.2% - 2.0% Chrysotile
113, 163	Mastic From Above	D-Wing Second Floor Classrooms and Stairwell Landings	1.25% - 5.5% Chrysotile
118	Pipe Fitting Insulation	D-Wing First Floor	6.8% Chrysotile

TABLE 5-2: ASBESTOS-CONTAINING MATERIAL
ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT

HOMOGENEOUS AREA NUMBER	MATERIAL DESCRIPTION	LOCATION	ASBESTOS TYPE AND CONTENT (%)
140	Window Frame Caulk	C-Wing	6.2% Chrysotile
176	Window Glazing	A-Wing	1.5% Chrysotile
178, 187	Window Frame Caulk	A-Wing	7.8% - 10% Chrysotile
181	Window Glazing	C-Wing	1.3% Chrysotile
8 (7/31/07)	Window Glazing	D-Wing First Floor 1970 Building	2.7% Chrysotile
12 (7/31/07)	Window Glazing	D-Wing First Floor 1974 Building	15% Chrysotile
198	Interior Window Frame Caulk	C-Wing Auto Repair Classroom	5% Chrysotile
3 (7/31/06)	Waterproofing Tar on Foundation Walls	D-Wing	1.5% Chrysotile
17 (7/31/07)	Waterproofing Membrane in Exterior Walls	D-Wing	6.4% Chrysotile
5 (7/31/06)	Waterproofing Membrane in Exterior Walls	B-Wing	20% Chrysotile
10 (7/31/06)	Waterproofing Membrane in Exterior Walls	B-Wing	20% Chrysotile
4 (8/11/06)	Interior Flashing/Tar	B-Wing Corridor Above Ceiling At Wall/Ceiling Joint	30% Chrysotile

TABLE 5-2: ASBESTOS-CONTAINING MATERIAL ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT			
HOMOGENEOUS AREA NUMBER	**MATERIAL DESCRIPTION**	**LOCATION**	**ASBESTOS TYPE AND CONTENT (%)**
18 (7/31/07)	Chalkboard Adhesive	D-Wing First Floor	10% Chrysotile
26 (7/31/07)	Chalkboard Adhesive	D-Wing Second Floor	1.2% Chrysotile

TABLE 5-3: NON-ASBESTOS-CONTAINING MATERIAL ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT			
HOMOGENEOUS AREA NUMBER	**MATERIAL DESCRIPTION**	**LOCATION**	**ASBESTOS TYPE AND CONTENT (%)**
5, 46, 58, 59, 65, 143, 154, 155, 156, 157, 20 (8/11/06), 21 (8/11/06), 23 (8/11/06), 25 (8/11/06)	Red Cementitious Flooring ("Masterplate")	C-Wing	NAD
7,8	Skim Coat with Yellow/Green Paint over Concrete Block	D-Wing First Floor	NAD
9, 14	Joint Compound	D-Wing	0 - 0.3% Chrysotile
10, 24 (8/11/06)	Red Cementitious Flooring ("Masterplate")	D-Wing First Floor 1974 Addition	NAD
15	Sheetrock	D-Wing	NAD
16	Wallpaper/Mastic	D-Wing First Floor 1974 Addition	NAD
19, 26	Gray Floor Treatment	D-Wing First Floor	NAD
23, 25	Stainless Steel Sink Pan Sealant (Grey)	D-Wing First Floor Rooms D-7, D-17	NAD
27, 121	Baseboard Molding Adhesive	D-Wing - First Floor and C-Wing Auto Body (1970 Building Additions)	NAD

TABLE 5-3: NON-ASBESTOS-CONTAINING MATERIAL ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT			
HOMOGENEOUS AREA NUMBER	**MATERIAL DESCRIPTION**	**LOCATION**	**ASBESTOS TYPE AND CONTENT (%)**
29, 30, 33	Pipe Fitting Insulation	D-Wing First Floor Above Ceiling Piping to Second Floor (1980 Installation)	NAD
31, 32	2' X 4' Suspended Ceiling Tile	D-Wing First Floor	NAD
34	Sheetrock	A and B-Wings - Ceiling	NAD
36, 39, 71	1' X 1' Ceiling Tile Pinhole Pattern	A and B-Wings	NAD
37, 43, 122, 123, 124	2' X 2' Suspended Ceiling Tile	C-Wing	NAD
40, 41, 100, 106, 108	Brown Sheet Flooring Over Woven Fabric	A-Wing	NAD
103, 104	Green Sheet Flooring Over Woven Fabric	A-Wing	NAD
42	Stainless Steel Sink Pan Sealant	A-Wing	NAD
44, 192, 193, 194	Glue Daubs from 1' X 1' Ceiling Tile	C-Wing	NAD
44	1' X 1' Ceiling Tile	C-Wing	NAD
47	Carpet Adhesive	A-Wing	NAD
48, 51, 55, 57, 109	Tan 12" Floor Tile with Brown, White Streaks	A-Wing Rooms 103, 105, 107, 109, 111, Nurses' Office, Rooms 211, 224	NAD

TABLE 5-3: NON-ASBESTOS-CONTAINING MATERIAL ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT			
HOMOGENEOUS AREA NUMBER	**MATERIAL DESCRIPTION**	**LOCATION**	**ASBESTOS TYPE AND CONTENT (%)**
48, 52, 56, 109	Mastic From Above	A-Wing Rooms 103, 105, 107, 109, 111, Nurses' Office, Room 224	NAD
49	2' X 4' Rough Texture Suspended Ceiling Tile	A-Wing Room 107	NAD
53	Construction Felt above Suspended Ceilings	D-Wing Second Floor	NAD
61, 62, 11 (8/11/06)	Ceiling Plaster	C-Wing	NAD
82	Light Brown 12" Floor Tile	B-Wing Plumbing Shop Loft	NAD
82	Mastic From Above	B-Wing Plumbing Shop Loft	NAD
88	Baseboard Molding Adhesive	A and B Wings	NAD
90, 91	Pipe Fitting Insulation	B-Wing 1970 Addition	NAD
96, 131	Baseboard Molding Adhesive	B and C-Wings (1980 Building Additions)	NAD
110	Fume Hood Material	Room 209	NAD
111	Fabric Coating on 2' x 4' Ceiling Tile	D-Wing Second Floor	NAD
115	Terrazzo	A-Wing Stairwell Landings	Trace Chrysotile

TABLE 5-3: NON-ASBESTOS-CONTAINING MATERIAL ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT			
HOMOGENEOUS AREA NUMBER	**MATERIAL DESCRIPTION**	**LOCATION**	**ASBESTOS TYPE AND CONTENT (%)**
116	Green 12" Textured Floor Tile	D-Wing First Floor North Stairwell Landing	NAD
116	Mastic From Above	D-Wing First Floor North Stairwell Landing	NAD
117	Green 12" Floor Tile	D-Wing First Floor North Stairwell Landing	NAD
117	Mastic From Above	D-Wing First Floor North Stairwell Landing	NAD
119	Textured Non-Slip Strip	A-Wing First Floor West Landing	NAD
120	Baseboard Molding Adhesive	C-Wing 1974 Addition	NAD
132	Baseboard Molding Adhesive	C-Wing Original (1959) Building	NAD
141, 142, 14 (7/31/07), 15 (7/31/07)	Window Frame Caulk	C-Wing 1974 Building Addition	0.5% - 0.75% Chrysotile
160, 161, 162	Interior Window Frame Caulk	D-Wing Second Floor	NAD

TABLE 5-3: NON-ASBESTOS-CONTAINING MATERIAL ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT			
HOMOGENEOUS AREA NUMBER	**MATERIAL DESCRIPTION**	**LOCATION**	**ASBESTOS TYPE AND CONTENT (%)**
10 (7/31/07)	Window Frame Caulk	D-Wing	NAD
164, 165, 166	Plastic Wall Covering over Sheetrock	D-Wing Second Floor	NAD
167, 168, 169, 173	Baseboard Molding Adhesive	D-Wing Second Floor	NAD
170, 171, 172	Joint Compound	D-Wing Second Floor	NAD
174, 175, 21 (7/31/07), 27 (7/31/07), 28 (7/31/07) 29 (7/31/07)	Sheetrock	D-Wing Second Floor	NAD
22 (7/31/07), 23 (7/31/07), 28 (7/31/07)	Joint Compound	D-Wing Second Floor	NAD
30 (7/31/07)	Sheetrock	B-Wing Plumbing Shop Theory Room	NAD
30 (7/31/07)	Joint Compound	B-Wing Plumbing Shop Theory Room	NAD
184, 185, 186	Exterior Window Frame Caulk	B and C-Wings and D-Wing Second Floor (1980 Building Additions)	NAD
188, 189, 190	Pipe Fitting Insulation	C-Wing Auto Body Shop (1970 Building Addition)	NAD

TABLE 5-3: NON-ASBESTOS-CONTAINING MATERIAL ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT			
HOMOGENEOUS AREA NUMBER	**MATERIAL DESCRIPTION**	**LOCATION**	**ASBESTOS TYPE AND CONTENT (%)**
191	Ductwork Joint Caulk	C-Wing Auto Body Shop (1970 Building Addition)	NAD
195, 196, 197	Blue Sheet Vinyl	C-Wing Auto Repair Shop	NAD
201, 202, 203	Joint Compound	C-Wing Auto Repair Shop	NAD
204	Boiler Breeching	Boiler Room	NAD
205	Mudded Insulation Beneath Boiler	Boiler Room	NAD
206, 207, 208	Window Frame Caulk	D-Wing First Floor (1970 Building Addition)	NAD
210	Expansion Joint Caulk	D-Wing First Floor (1970 Building Addition)	NAD
12 (7/31/06), 13 (7/31/06)	Waterproofing Membrane in Wall Cavity	1974 Building Additions	NAD
14 (7/31/06)	Waterproofing Membrane in Wall Cavity	1980 Building Additions	NAD
19 (7/31/06), 20 (7/31/06), 8 (8/11/06)	Window Sill Material	Throughout	NAD
21 (7/31/06), 4 (8/15/06)	Vapor Barrier Membrane	B-Wing Electrical Shop Under Wood Floor	NAD

TABLE 5-3: NON-ASBESTOS-CONTAINING MATERIAL ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT			
HOMOGENEOUS AREA NUMBER	**MATERIAL DESCRIPTION**	**LOCATION**	**ASBESTOS TYPE AND CONTENT (%)**
19 (8/11/06), 1 (1/24/07)	Vapor Barrier Membrane	C-Wing Under Concrete Floor Slab	NAD
1 (8/15/06)	Vapor Barrier Membrane	Gymnasium	NAD
2 (8/15/06), 3 (8/15/06)	Vapor Barrier Membrane	B-Wing Carpentry Shop Under Wood Floor	NAD
2 (8/11/06), 9 (8/11/06), 13 (8/11/06)	Fire Door Core Material	Throughout	NAD
3 (8/11/06), 12 (8/11/06), 14 (8/11/06), 15 (8/11/06)	Tar/Plaster on Columns	A-Wing	NAD
7 (8/11/06)	Laminated Countertop/Adhesive	A-Wing Bathrooms	NAD
10 (8/11/06)	Backing on Fiberglass Batt Insulation	C-Wing Locker Room Above Ceiling	NAD
22 (8/11/06)	Grout/Mortar Beneath Ceramic Floor	C-Wing Welding Shop Bathroom	NAD
26 (8/11/06)	Ceramic Tile/Grout/Mortar/ Old Tile Mastic	C-Wing NW Corner Bathroom	NAD
27 (8/11/06)	Ceramic Tile Mortar	D-Wing 1970 Building South Men's Bathroom	NAD
31 (7/31/07)	Grout/Mortar Beneath Ceramic Tile	B-Wing Printing Shop Locker Room	NAD

TABLE 5-3: NON-ASBESTOS-CONTAINING MATERIAL ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT			
HOMOGENEOUS AREA NUMBER	**MATERIAL DESCRIPTION**	**LOCATION**	**ASBESTOS TYPE AND CONTENT (%)**
32 (7/31/07)	Ceramic Tile Grout	B-Wing Printing Shop Locker Room	NAD
18 (7/31/07)	Chalkboard Material	D-Wing First Floor	NAD
20 (7/31/07), 26 (7/31/07)	Chalkboard Material	D-Wing Second Floor	NAD
33 (7/31/07)	Skim Coat over Concrete Block	D-Wing Second Floor Women's Bath in Teacher's Lounge	NAD

APPENDIX A

Inventory of Identified Asbestos-Containing Material

ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CT
INVENTORY OF IDENTIFIED ASBESTOS-CONTAINING MATERIALS

ROOM NUMBER	ROOM NAME	HOMOGENEOUS AREA	SUSPECT MATERIAL DESCRIPTION	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	WALLS (SF)	PIPE INSULATION (LF)	PIPE FITTING INSULATION (EA)	EQUIPMENT INSULATION (SF)	MISCELLANEOUS (LF)	MISCELLANEOUS (SF)	COMMENTS/CONDITION
EXTERIOR													
FOUNDATIONS													
A-WING													
B-WING													
C-WING			BITUMINOUS DAMPPROOFING	10%								2400	ON EXTERIOR FOUNDATION WALLS
D-WING		3 (7/31/06)	BITUMINOUS DAMPPROOFING	1.5%								2250	ON EXTERIOR FOUNDATION WALLS
EXTERIOR WALLS													
A-WING	THROUGHOUT WALL SECTIONS	5 (7/31/06)	WATERPROOFING MEMBRANE/TAR	20%			21000						
B-WING	FROM GRADE TO WINDOWS	6 (7/31/06)	WATERPROOFING MEMBRANE/TAR	20%			700						BOTTOM 1 FOOT OF WALL SECTION AND UNDER WINDOWS
C-WING	BOTTOM 1 FOOT WALL SECTION	10 (7/31/06)	WATERPROOFING MEMBRANE/TAR	20%			1200						BOTTOM 1 FT. OF WALL SECTION - ORIGINAL (1959) BUILDING
D-WING	BOTTOM 1 FOOT WALL SECTION	17 (7/31/07)	WATERPROOFING MEMBRANE/TAR	6.4%			750						BOTTOM 1 FT. OF WALL SECTION - ORIGINAL (1970) BUILDING
WINDOWS													
A-WING	1ST FLOOR NORTH	178	WINDOW FRAME CAULK	10%							1310		INCLUDES CAULK AROUND MAIN ENTRANCE "STOREFRONT"
	1ST FLOOR NORTH	178	WINDOW GLAZING	1.5%								4200	EXPRESSED AS SF OF WINDOW AREA
	1ST FLOOR SOUTH	178	WINDOW FRAME CAULK	10%							1150		INCLUDES CAULK AROUND 12 OPENINGS TO BASEMENT
	1ST FLOOR SOUTH	178	WINDOW GLAZING	1.5%								2600	EXPRESSED AS SF OF WINDOW AREA
	2ND FLOOR NORTH	178	WINDOW FRAME CAULK	10%							1235		
	2ND FLOOR NORTH	178	WINDOW GLAZING	1.5%								4000	EXPRESSED AS SF OF WINDOW AREA
	2ND FLOOR SOUTH	178	WINDOW FRAME CAULK	10%							1150		
	2ND FLOOR SOUTH	178	WINDOW GLAZING	1.5%								2600	EXPRESSED AS SF OF WINDOW AREA
B-WING	EAST - 1956 (ORIGINAL) BUILDING	98	WINDOW FRAME CAULK	3.75%							880		
	EAST - 1956 (ORIGINAL) BUILDING	78	WINDOW GLAZING	1.75%								4000	EXPRESSED AS SF OF WINDOW AREA
	WEST - 1956 (ORIGINAL) BUILDING	98	WINDOW FRAME CAULK	3.75%							880		
	WEST - 1956 (ORIGINAL) BUILDING	78	WINDOW GLAZING	1.75%								4000	EXPRESSED AS SF OF WINDOW AREA
	1974 ADDITION												
	1980 ADDITION												
C-WING	1959 (ORIGINAL) BUILDING	140	WINDOW FRAME CAULK	6.2%							1200		
	1959 (ORIGINAL) BUILDING	181	WINDOW GLAZING	1.3%								2250	EXPRESSED AS SF OF WINDOW AREA
	1974 BUILDING ADDITION												
	1980 BUILDING ADDITIONS												
D-WING													
	FIRST FLOOR (1970)	12 (7/31/07)	WINDOW GLAZING	15%								2000	EXPRESSED AS SF OF WINDOW AREA
	1974 ADDITION												
	SECOND FLOOR (1980)												

ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CT
INVENTORY OF IDENTIFIED ASBESTOS-CONTAINING MATERIALS

ROOM NUMBER	ROOM NAME	HOMOGENEOUS AREA	SUSPECT MATERIAL DESCRIPTION	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	WALLS (SF)	PIPE INSULATION (LF)	PIPE FITTING INSULATION (EA)	EQUIPMENT INSULATION (SF)	MISCELLANEOUS (LF)	MISCELLANEOUS (SF)	COMMENTS/CONDITION
INTERIOR													
BASEMENT													
A-WING													BASEMENT ABATED 1996
B-WING													BASEMENT ABATED 1996
C-WING													BASEMENT ABATED 1996
D-WING													BASEMENT ABATED 1996
A-WING													
GROUND FLOOR													
	CORRIDOR	75	PIPE INSULATION	10%				120					CONCEALED ABOVE CEILING
	CORRIDOR	74	PIPE FITTING INSULATION	65%					20				CONCEALED ABOVE CEILING
	CORRIDOR	102	GLUE DAUBS FROM CEILING TILE	1.5%		3700							ABOVE NON-ASBESTOS 2' x 2' SUSPENDED CEILING TILE
	MEN'S BATHROOM	75	PIPE INSULATION	10%				10					EAST BATHROOM - CONCEALED IN PLUMBING CHASE
	MEN'S BATHROOM	74	PIPE FITTING INSULATION	65%					2				EAST BATHROOM - CONCEALED IN PLUMBING CHASE
	CUSTODIAN CLOSET												
	WOMEN'S BATHROOM	75	PIPE INSULATION	10%				10					EAST BATHROOM - CONCEALED IN PLUMBING CHASE
	WOMEN'S BATHROOM	74	PIPE FITTING INSULATION	65%					2				EAST BATHROOM - CONCEALED IN PLUMBING CHASE
	CUSTODIAN CLOSET												
103	HAIR & COSMETOLOGY												ASBESTOS VINYL FLOOR TILE AND PIPE INSUL. REMOVED 1992
104	GUIDANCE OFFICES	75	PIPE INSULATION	10%				25					ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
104	GUIDANCE OFFICES	74	PIPE FITTING INSULATION	65%					5				ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
104	GUIDANCE OFFICES	102	GLUE DAUBS FROM CEILING TILE	1.5%		670							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO SHEETROCK
105	SOCIAL STUDIES CLASSROOM												ASBESTOS VINYL FLOOR TILE AND PIPE INSUL. REMOVED 1992
105	SOCIAL STUDIES CLASSROOM	83	ADHESIVE BEHIND BLACKBOARD	10%								50	
106	HAIR & COSMETOLOGY	75	PIPE INSULATION	10%				40					INSULATION ON HEATING SUPPLY CONCEALED ABOVE CEILING
106	HAIR & COSMETOLOGY	74	PIPE FITTING INSULATION	65%					8				INSULATION ON HEATING SUPPLY CONCEALED ABOVE CEILING
	NURSES' OFFICE												ASBESTOS FLOOR TILE AND MASTIC REMOVED 1999
107	DEAN OF STUDENTS												ASBESTOS VINYL FLOOR TILE AND PIPE INSUL. REMOVED 1992
107	DEAN OF STUDENTS	102	GLUE DAUBS FROM CEILING TILE	1.5%		10							REMAINING SMALL AREA OF OLD 1' X 1' TILE ABOVE NEW CEILING
108	NRZ/CDC OFFICE	75	PIPE INSULATION	10%				12					ASBESTOS FLOOR TILE AND MASTIC REMOVED 1999
108	NRZ/CDC OFFICE	74	PIPE FITTING INSULATION	65%					4				ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
108	NRZ/CDC OFFICE	102	GLUE DAUBS FROM CEILING TILE	1.5%		330							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO SHEETROCK
109	CLASSROOM												ABATEMENT OF FLR. TILE/MASTIC AND TRANSITE BENCHTOPS 1992

ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CT
INVENTORY OF IDENTIFIED ASBESTOS-CONTAINING MATERIALS

ROOM NUMBER	ROOM NAME	HOMOGENEOUS AREA	SUSPECT MATERIAL DESCRIPTION	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	WALLS (SF)	PIPE INSULATION (LF)	PIPE FITTING INSULATION (EA)	EQUIPMENT INSULATION (SF)	MISCELLANEOUS (LF)	MISCELLANEOUS (SF)	COMMENTS/CONDITION
A-WING													
GROUND FLOOR													
110	MAIN OFFICE	75	PIPE INSULATION	10%				150					ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
110	MAIN OFFICE	74	PIPE FITTING INSULATION	65%					30				ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
110	MAIN OFFICE												ASBESTOS FLOOR TILE ABATED 2007
110	MAIN OFFICE	102	GLUE DAUBS FROM CEILING TILE	1.5%		2340							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO SHEETROCK
	MAIN OFFICE VAULT												
	MAIN OFC. DIRECTOR'S BATH												ASBESTOS VINYL FLOOR TILE REMOVED 2006
	WOMEN'S BATHROOM	75	PIPE INSULATION	10%				12					ASBESTOS VINYL FLOOR TILE AND PIPE INSUL. REMOVED 1999
	WOMEN'S BATHROOM	74	PIPE FITTING INSULATION	65%					4				ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
111	CLASSROOM												ABATEMENT OF FLR. TILE/MASTIC AND TRANSITE BENCHTOPS 1992
113	CLASSROOM												
	ADULT EDUCATION	75	PIPE INSULATION	10%				6					ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
	ADULT EDUCATION	74	PIPE FITTING INSULATION	65%					2				ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
	ADULT EDUCATION	102	GLUE DAUBS FROM CEILING TILE	1.5%		250							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO SHEETROCK
	ADULT EDUCATION OFFICE	75	PIPE INSULATION	10%				6					ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
	ADULT EDUCATION OFFICE	74	PIPE FITTING INSULATION	65%					2				ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
	ADULT EDUCATION OFFICE	102	GLUE DAUBS FROM CEILING TILE	1.5%		110							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO SHEETROCK
A-WING													
GROUND FLOOR													
120	CONFERENCE ROOM	75	PIPE INSULATION	10%				20					ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
120	CONFERENCE ROOM	74	PIPE FITTING INSULATION	65%					5				ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
120	CONFERENCE ROOM	102	GLUE DAUBS FROM CEILING TILE	1.5%		450							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO SHEETROCK
121	FASHION	75	PIPE INSULATION	10%				40					ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
121	FASHION	74	PIPE FITTING INSULATION	65%					8				ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
121	FASHION	102	GLUE DAUBS FROM CEILING TILE	1.5%		760							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO SHEETROCK
A-WING													
GROUND FLOOR													
121	FASHION	83	ADHESIVE BEHIND BLACKBOARD	10%								130	TWO BLACKBOARDS IN ROOM
	FASHION LOCKER ROOM	75	PIPE INSULATION	10%				8					ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
	FASHION LOCKER ROOM	74	PIPE FITTING INSULATION	65%					2				ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
	FASHION LOCKER ROOM	102	GLUE DAUBS FROM CEILING TILE	1.5%		215							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO SHEETROCK
122	FASHION	75	PIPE INSULATION	10%				60					ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
122	FASHION	74	PIPE FITTING INSULATION	65%					20				ESTIMATED QUANTITY OF CONCEALED PIPE INSULATION
122	FASHION	102	GLUE DAUBS FROM CEILING TILE	1.5%		1470							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO SHEETROCK
	STORAGE	102	GLUE DAUBS FROM CEILING TILE	1.5%		300							STORAGE ROOMS WEST OF FASHION

ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CT
INVENTORY OF IDENTIFIED ASBESTOS-CONTAINING MATERIALS

ROOM NUMBER	ROOM NAME	HOMOGENEOUS AREA	SUSPECT MATERIAL DESCRIPTION	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	WALLS (SF)	PIPE INSULATION (LF)	PIPE FITTING INSULATION (EA)	EQUIPMENT INSULATION (SF)	MISCELLANEOUS (LF)	MISCELLANEOUS (SF)	COMMENTS/CONDITION
A-WING													
SECOND FLOOR													
	CORRIDOR	102	GLUE DAUBS FROM CEILING TILE	1.5%		3480							ABOVE NON-ASBESTOS 2' x 2' SUSPENDED CEILING TILE
	CORRIDOR	ASSUMED	VINYL TILE/MASTIC	ASSUMED	200								REMAINING FLOOR TILE UNDER LOCKERS IN CORRIDOR
203	SOCIAL WORKER	102	GLUE DAUBS FROM CEILING TILE	1.5%		300							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
204	OFFICE	102	GLUE DAUBS FROM CEILING TILE	1.5%		400							ASBESTOS VINYL FLOOR TILE REMOVED 1992
205	CLASSROOM												ASBESTOS FLOOR TILE, CEILING TILE AND PIPE INSUL. REMOVED 1992
206	SCIENCE CLASSROOM	102	GLUE DAUBS FROM CEILING TILE	1.5%		660							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
207	CHEMICAL LAB												ASBESTOS FLOOR TILE, CEILING TILE AND PIPE INSUL. REMOVED 1992
208	SCIENCE CLASSROOM	102	GLUE DAUBS FROM CEILING TILE	1.5%		670							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
209	CHEMICAL LAB												ASBESTOS FLOOR TILE, CEILING TILE AND PIPE INSUL. REMOVED 1992
	LAB EQUIPMENT												ASBESTOS FLOOR TILE, CEILING TILE AND PIPE INSUL. REMOVED 1992
210	MATH CLASSROOM	102	GLUE DAUBS FROM CEILING TILE	1.5%		670							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
211	CLASSROOM												ASBESTOS FLOOR TILE, CEILING TILE AND PIPE INSUL. REMOVED 1992
212	MATH CLASSROOM	102	GLUE DAUBS FROM CEILING TILE	1.5%		660							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
214	SCIENCE CLASSROOM	102	GLUE DAUBS FROM CEILING TILE	1.5%		670							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
	WOMENS BATHROOM	75	PIPE INSULATION	10%				30					ESTIMATED QUANTITY OF ACM CONCEALED IN CHASE
	WOMENS BATHROOM	74	PIPE FITTING INSULATION	65%					10				ESTIMATED QUANTITY OF ACM CONCEALED IN CHASE
	CUSTODIAN CLOSET												PROBABLE CONCEALED ACM INSULATION IN ADJ. PIPE CHASE
	MENS BATHROOM	73	PIPE INSULATION	10%				30					ESTIMATED QUANTITY OF ACM CONCEALED IN CHASE
	MENS BATHROOM	74	PIPE FITTING INSULATION	65%					10				ESTIMATED QUANTITY OF ACM CONCEALED IN CHASE
	CUSTODIAN CLOSET												PROBABLE CONCEALED ACM INSULATION IN ADJ. PIPE CHASE
	MEDIA CENTER	102	GLUE DAUBS FROM CEILING TILE	1.5%		2200							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
	MEDIA CENTER NORTH OFFICE	102	GLUE DAUBS FROM CEILING TILE	1.5%		180							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
	MEDIA CENTER SOUTH OFFICE	102	GLUE DAUBS FROM CEILING TILE	1.5%		160							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
216	AV DEPARTMENT	102	GLUE DAUBS FROM CEILING TILE	1.5%		370							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
218	BOOKSTORE	102	GLUE DAUBS FROM CEILING TILE	1.5%		275							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
220	ENGLISH CLASSROOM	102	GLUE DAUBS FROM CEILING TILE	1.5%		630							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
221A	READING CLASSROOM	102	GLUE DAUBS FROM CEILING TILE	1.5%		470							FLOOR TILE ABATED 2005
221B	SPECIAL EDUCATION	102	GLUE DAUBS FROM CEILING TILE	1.5%		570							FLOOR TILE ABATED 2005
222	LIFE SKILLS	102	GLUE DAUBS FROM CEILING TILE	1.5%		660							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
223	STORAGE/READING CLASSROOM	102	GLUE DAUBS FROM CEILING TILE	1.5%		570							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
224	LEARNING LOGIC	102	GLUE DAUBS FROM CEILING TILE	1.5%		670							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK
225	READING CLASSROOM	102	GLUE DAUBS FROM CEILING TILE	1.5%		690							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO DECK

ELI WHITNEY TECHNICAL HIGH SCHOOL
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INVENTORY OF IDENTIFIED ASBESTOS-CONTAINING MATERIALS

ROOM NUMBER	ROOM NAME	HOMOGENEOUS AREA	SUSPECT MATERIAL DESCRIPTION	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	WALLS (SF)	PIPE INSULATION (LF)	PIPE FITTING INSULATION (EA)	EQUIPMENT INSULATION (SF)	MISCELLANEOUS (LF)	MISCELLANEOUS (SF)	COMMENTS/CONDITION
B-WING													
	CONNECTOR TO A-WING	92	GLUE DAUBS FROM CEILING TILE	1.3%		410							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO SHEETROCK
	CONNECTOR TO A-WING	4 (8/22/06)	FLASHING TAR MATERIAL	30%								15	CONCEALED ABOVE CEILING AT TOP OF WALL
	MAIN CORRIDOR	4 (8/22/06)	FLASHING TAR MATERIAL	30%								165	
	MAIN CORRIDOR	79	RED CEMENTITIOUS FLOORING	2.3%	3150								"ASBEST-O-LITH" FLOORING
	MAIN CORRIDOR	92	GLUE DAUBS FROM CEILING TILE	1.3%		3150							GLUE DAUBS TO AFFIX NON-ACM 1' X 1' CEILING TILE TO SHEETROCK
	MAINTENANCE SUPERINTENDENT	79	RED CEMENTITIOUS FLOORING	2.3%	125								
	MAINTENANCE OFFICE	79	RED CEMENTITIOUS FLOORING	2.3%	350								
	GARAGE/TRACTOR												
ELECTRONICS SHOP	ELECTRONICS SHOP	79	RED CEMENTITIOUS FLOORING	2.3%									
	CAGE STORAGE												
	LOCKER ROOM	79	RED CEMENTITIOUS FLOORING	2.3%	200								
	BATHROOM	79	RED CEMENTITIOUS FLOORING	2.3%	40								
	THEORY	78	RED CEMENTITIOUS FLOORING	1.8%	740								"ASBEST-O-LITH" FLOORING
	THEORY	60	ADHESIVE BEHIND BLACKBOARD	10%								100	
PRINTING SHOP	PRINTING SHOP	79	RED CEMENTITIOUS FLOORING	2.3%	1750								NEW NON-ACM VINYL TILE OVER CEMENTITIOUS FLOOR
	CLASSROOM	79	RED CEMENTITIOUS FLOORING	2.3%	250								
	COMPUTER ROOM	79	RED CEMENTITIOUS FLOORING	2.3%	125								
	LOCKER ROOM	79	RED CEMENTITIOUS FLOORING	2.3%	250								
	BATHROOM	79	RED CEMENTITIOUS FLOORING	2.3%	80								
	LITHOGRAPHY	79	RED CEMENTITIOUS FLOORING	2.3%	1320								
	LITHOGRAPHY	ASSUMED	TRANSITE WORK TABLE	ASSUMED								32	
	THEORY	78	RED CEMENTITIOUS FLOORING	1.8%	1960								
	THEORY	ASSUMED	TRANSITE WORK TABLE	ASSUMED								65	TWO TRANSITE WORK TABLES
	THEORY	60	ADHESIVE BEHIND BLACKBOARD	10%								100	
	DARK ROOM	79	RED CEMENTITIOUS FLOORING	2.3%	160								
	STORAGE	79	RED CEMENTITIOUS FLOORING	2.3%	120								
ELECTRICAL SHOP	ELECTRICAL SHOP	79	RED CEMENTITIOUS FLOORING	2.3%	3000								BENEATH WOOD FLOORING
	STORAGE	79	RED CEMENTITIOUS FLOORING	2.3%	200								
	THEORY	79	RED CEMENTITIOUS FLOORING	2.3%	280								
	THEORY	83	ADHESIVE BEHIND BLACKBOARD	10%								50	
	MEN'S LOCKER ROOM	79	RED CEMENTITIOUS FLOORING	2.3%	300								
	BATHROOM	79	RED CEMENTITIOUS FLOORING	2.3%	60								
	OFFICE	79	RED CEMENTITIOUS FLOORING	2.3%	150								

ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CT
INVENTORY OF IDENTIFIED ASBESTOS-CONTAINING MATERIALS

ROOM NUMBER	ROOM NAME	HOMOGENEOUS AREA	SUSPECT MATERIAL DESCRIPTION	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	WALLS (SF)	PIPE INSULATION (LF)	PIPE FITTING INSULATION (EA)	EQUIPMENT INSULATION (SF)	MISCELLANEOUS (LF)	MISCELLANEOUS (SF)	COMMENTS/CONDITION
B-WING													
CARPENTRY SHOP	CARPENTRY SHOP												
	STORAGE												
	WOMEN'S LOCKER ROOM	92	GLUE DAUBS FROM CEILING TILE	1.3%								70	
	MEN'S LOCKER ROOM	92	GLUE DAUBS FROM CEILING TILE	1.3%								180	
	BATHROOM												
	THEORY	86	ADHESIVE BEHIND BLACKBOARD	10%								100	
	STAFF LOUNGE	79	RED CEMENTITIOUS FLOORING	2.3%	110								
	BATHROOM	79	RED CEMENTITIOUS FLOORING	2.3%	40								BENEATH NEWER EPOXY
	MAINTENANCE ROOM	79	RED CEMENTITIOUS FLOORING	2.3%	60								
	BOILER ROOM												SUSPECTED INTERIOR ACM BOILER GASKETS/PACKINGS
	GENERATOR ROOM												GENERATOR ROOM IN BOILER ROOM - ABATED 2007
PLUMBING SHOP	PLUMBING SHOP	79	RED CEMENTITIOUS FLOORING	2.3%	2400								FLOOR TILE, TSI, GLUE DAUBS ABATED 2007
	OFFICE	79	RED CEMENTITIOUS FLOORING	2.3%	100								
	WOMEN'S LOCKER ROOM	79	RED CEMENTITIOUS FLOORING	2.3%	250								
	BATHROOM	79	RED CEMENTITIOUS FLOORING	2.3%	30								
	STORAGE	79	RED CEMENTITIOUS FLOORING	2.3%	60								
	THEORY	79	RED CEMENTITIOUS FLOORING	2.3%	360								
	THEORY	83	ADHESIVE BEHIND BLACKBOARD	10%								30	
	MAINTENANCE LOUNGE	92	GLUE DAUBS FROM CEILING TILE	1.3%								280	
TOOL & DIE SHOP	TOOL & DIE SHOP	79	RED CEMENTITIOUS FLOORING	2.3%	2550								
	STORAGE	79	RED CEMENTITIOUS FLOORING	2.3%	160								
	STORAGE	79	RED CEMENTITIOUS FLOORING	2.3%	280								
	BATHROOM	79	RED CEMENTITIOUS FLOORING	2.3%	50								BENEATH CERAMIC TILE
MACHINE SHOP	MACHINE SHOP	79	RED CEMENTITIOUS FLOORING	2.3%	5000								
	TOOL SUPPLY	79	RED CEMENTITIOUS FLOORING	2.3%	240								
	NORTH LOCKER ROOM	79	RED CEMENTITIOUS FLOORING	2.3%	350								ACM TSI ABATED MAY 2006
	SOUTH LOCKER ROOM	79	RED CEMENTITIOUS FLOORING	2.3%	220								
	SOUTH STORAGE ROOM												
	CLASSROOM	86	ADHESIVE BEHIND BLACKBOARD	10%								100	

ELI WHITNEY TECHNICAL HIGH SCHOOL
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INVENTORY OF IDENTIFIED ASBESTOS-CONTAINING MATERIALS

ROOM NUMBER	ROOM NAME	HOMOGENEOUS AREA	SUSPECT MATERIAL DESCRIPTION	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	WALLS (SF)	PIPE INSULATION (LF)	PIPE FITTING INSULATION (EA)	EQUIPMENT INSULATION (SF)	MISCELLANEOUS (LF)	MISCELLANEOUS (SF)	COMMENTS/CONDITION
C-WING													
CAFETERIA WING	NORTH CORRIDOR												NO. PORTION OF CORRIDOR - 1960 ADDN. NEAR CULINARY THEORY
	SOUTH CORRIDOR												FLOOR TILE ABATED 2005
	WEST CORRIDOR												FLOOR TILE ABATED 2005
	FORMER PHONE BOOTHS												FLOOR TILE ABATED 2005
	WOMEN'S BATHROOM												ASBESTOS VINYL FLOOR TILE AND PIPE INSUL. REMOVED 1999
	MEN'S BATHROOM												ASBESTOS VINYL FLOOR TILE AND PIPE INSUL. REMOVED 1999
	STORAGE												ACM TSI ABATED MAY 2006
	CUSTODIAN CLOSET												
	STORAGE												STORAGE NEXT TO ELEVATOR MOTOR ROOM
	ELEVATOR MOTOR ROOM												
	FOOD STORAGE												ACM TSI ABATED MAY 2006
	FACULTY DINING ROOM												FLOOR TILE ABATED 2005
	FACULTY DINING ROOM KITCHEN												FLOOR TILE ABATED 2005
	DINING ROOM (1959 BUILDING)	68	GRN. 9" FLR. TILE W/ WH., BLK/MASTIC	4.5% / 2.25%	10								REMAINING TILE BENEATH SNACK SHOP PARTITION WALL
	DINING ROOM (1959 BUILDING)												
	DINING ROOM (1960 ADDITION)												FLOOR TILE ABATED 2005
	KITCHEN (1959 BUILDING)												
	MEN'S LOCKER ROOM												
	WOMEN'S LOCKER ROOM												
	KITCHEN/BAKERY												1960 ADDITION
	KITCHEN												1960 ADDITION
	CULINARY THEORY												1960 ADDITION
	STORAGE												1960 ADDITION
	OFFICE												1960 ADDITION
	STORAGE												1960 ADDITION
	COMPUTER ROOM												1960 ADDITION
GYMNASIUM WING	NORTH PORTION OF CORRIDOR												CORRIDOR FROM NORTH END OF GYM TO AUTO BODY ENTRANCE
	SOUTH PORTION OF CORRIDOR												FLOOR TILE ABATED 2005
	GYMNASIUM	63	PIPE FITTING INSULATION	65%					6				FITTINGS ON ROOF DRAINS NEAR CEILING
	STORAGE												STORAGE ROOM AT NW CORNER OF GYMNASIUM
	MEN'S LOCKER ROOM												SUSPECTED ACM INSULATION ABOVE PLASTER DROP CEILING
	STAGE												
	STAGE STORAGE												
	STAGE STORAGE												
	WOMEN'S LOCKER ROOM												SUSPECTED ACM INSULATION ABOVE PLASTER DROP CEILING
	GYM STORAGE												SUSPECTED ACM INSULATION ABOVE PLASTER DROP CEILING
	IN-SCHOOL SUSPENSION												AKA FORMER WEIGHT ROOM NOW USED FOR STORAGE
	EMERGENCY ELEC. ROOM												CLOSET IN ROOM ABOVE

ELI WHITNEY TECHNICAL HIGH SCHOOL
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ROOM NUMBER	ROOM NAME	HOMOGENEOUS AREA	SUSPECT MATERIAL DESCRIPTION	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	WALLS (SF)	PIPE INSULATION (LF)	PIPE FITTING INSULATION (EA)	EQUIPMENT INSULATION (SF)	MISCELLANEOUS (LF)	MISCELLANEOUS (SF)	COMMENTS/CONDITION
C-WING													
AUTO REPAIR SHOP	AUTO LAB												THERMAL SYSTEMS INSULATION (TSI) ABATED 2007
	STORAGE												
	CLASSROOM	150	INTERIOR WINDOW FRAME CAULK	5%							60		CAULK AT CLASSROOM WINDOWS
	MEN'S LOCKER ROOM												SUSPECTED ACM PIPE FITTINGS ABOVE PLASTER DROP CEILING
	WOMEN'S BATHROOM												SUSPECTED ACM PIPE FITTINGS ABOVE PLASTER DROP CEILING
	TOOL CRIB												SUSP. ACM PIPE FITTINGS ABOVE NON-ACM CLG. TILE/SHTRCK
	AUTO REPAIR SHOP												
	OFFICE												
	THEORY												
	STORAGE												
	COMPUTER ROOM												
C-WING													
AUTO BODY SHOP	AUTO BODY SHOP												
	PAINT STORAGE												
	DEMONSTRATION CLASSROOM												
	PAINT BOOTH												
	OFFICE												
WELDING SHOP	WELDING SHOP												TSI, TRANSITE ABATED 2007
	STORAGE												
	OFFICE												
	THEORY												
	BLUEPRINT READING ROOM	ASSUMED	SINK PAN SEALANT	ASSUMED								10	

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INVENTORY OF IDENTIFIED ASBESTOS-CONTAINING MATERIALS

ROOM NUMBER	ROOM NAME	HOMOGENEOUS AREA	SUSPECT MATERIAL DESCRIPTION	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	WALLS (SF)	PIPE INSULATION (LF)	PIPE FITTING INSULATION (EA)	EQUIPMENT INSULATION (SF)	MISCELLANEOUS (LF)	MISCELLANEOUS (SF)	COMMENTS/CONDITION
D-WING													
GROUND FLOOR													
	CORRIDOR												FLOOR TILE ABATED 2005
	SOUTH PORTION OF CORRIDOR												FLOOR TILE ABATED 2005
D-1A	DRAFTING												
D-1B	DRAFTING												
	SOUTH WOMEN'S RESTROOM												
	SOUTH MEN'S RESTROOM												
	SOUTH JANITOR'S CLOSET												
D-1	BILINGUAL CLASSROOM												FLOOR TILE ABATED 2005
D-2	ART DEPARTMENT												FLOOR TILE ABATED 2005
D-3	LPN CLINICAL LABORATORY												
	OFFICE												INSIDE ROOM D-3 - FLOOR TILE ABATED 2005
	BREAKROOM												INSIDE ROOM D-3 - FLOOR TILE ABATED 2005
D-4	LPN THEORY												
D-5	OFFICE												INSIDE ROOM D-7 - FLOOR TILE ABATED 2005
D-6	STORAGE												INSIDE ROOM D-7 - FLOOR TILE ABATED 2005
D-7	LPN DEMONSTRATOR'S ROOM	22	GREEN 9" FLR. TILE/MASTIC	1.5% / 4.5%	700								TILE IS ON PLYWOOD IN TIERED SEATING AREA
D-7	LPN DEMONSTRATOR'S ROOM	86	ADHESIVE BEHIND BLACKBOARD	10%								50	
D-8	BILINGUAL CLASSROOM	86	ADHESIVE BEHIND BLACKBOARD	10%								50	FLOOR TILE ABATED 2005
D-9	LIFE SKILLS	86	ADHESIVE BEHIND BLACKBOARD	10%								50	FLOOR TILE ABATED 2005
	COPIER ROOM												FLOOR TILE ABATED 2005
	NORTH WOMEN'S RESTROOM												ABATEMENT OF FLOOR TILE IN 1999
	PIPE CHASE BET. BATHROOMS												PROBABLE CONCEALED ACM INSULATION IN PIPE CHASE
	NORTH MEN'S RESTROOM												ABATEMENT OF FLOOR TILE IN 1999
	NORTH JANITOR'S CLOSET												ACM PIPE FITTING INSULATION ABATED MAY 2006
D-13	STORAGE	22	GREEN 9" FLR. TILE/MASTIC	1.5% / 4.5%	20								TILE REMAINS UNDER SHELVING UNITS
D-14	OFFICE												
D-15	DENTAL TECHNICIAN LAB	24	SINK PAN SEALANT	1.3%								5	
D-16	DENTAL TECHNICIAN THEORY	86	ADHESIVE BEHIND BLACKBOARD	10%								50	FLOOR TILE ABATED 2005
D-17	DENTAL CLASSROOM AND LAB	ASSUMED	TRANSITE BENCHTOPS	ASSUMED								350	
D-17	DENTAL CLASSROOM AND LAB	24	SINK PAN SEALANT	1.3%								5	SINK IN SW CORNER OF ROOM
D-17	DENTAL CLASSROOM AND LAB	86	ADHESIVE BEHIND BLACKBOARD	10%								50	
D-18	DENTAL OFC. CONF. ROOM												FLOOR TILE ABATED 2005
DENTAL OFFICES	CORRIDOR												CORRIDOR BETWEEN RECEPTION AND DEMO. ROOM
D-19	DENTAL OFC. OPERATING ROOM												

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ROOM NUMBER	ROOM NAME	HOMOGENEOUS AREA	SUSPECT MATERIAL DESCRIPTION	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	WALLS (SF)	PIPE INSULATION (LF)	PIPE FITTING INSULATION (EA)	EQUIPMENT INSULATION (SF)	MISCELLANEOUS (LF)	MISCELLANEOUS (SF)	COMMENTS/CONDITION
D-WING													
GROUND FLOOR													
D-20	DENTAL OFC. DEMO ROOM												
D-21	DENTAL OFC. STORAGE												FLOOR TILE ABATED 2005
D-22	DENTAL OFC.												FLOOR TILE ABATED 2005
D-23	DENTAL OFC. BATHROOM												FLOOR TILE ABATED 2005
D-24	DARK ROOM	ASSUMED	TRANSITE BENCHTOPS	ASSUMED								35	FLOOR TILE ABATED 2005
D-25	DENTAL OFC. RECEPTION												FLOOR TILE ABATED 2005
D-WING													
SECOND FLOOR													
	CORRIDOR												
226	MATH LAB	24 (7/31/07)	ADHESIVE BEHIND BLACKBOARD	1.2%								80	
227	COMPUTER TECHNOLOGY	112	SINK PAN SEALANT	20%								5	
227	COMPUTER TECHNOLOGY	24 (7/31/07)	ADHESIVE BEHIND BLACKBOARD	1.2%								80	
228	COMPUTER TECHNOLOGY	24 (7/31/07)	ADHESIVE BEHIND BLACKBOARD	1.2%								80	
	SURGICAL TECHNOLOGY	24 (7/31/07)	ADHESIVE BEHIND BLACKBOARD	1.2%								80	
	SURGICAL TECHNOLOGY	112	SINK PAN SEALANT	20%								10	
	BREAK ROOM/OFFICE	112	SINK PAN SEALANT	20%								10	
230A	C.H.A.	112	SINK PAN SEALANT	20%								5	
230A	C.H.A.	24 (7/31/07)	ADHESIVE BEHIND BLACKBOARD	1.2%								80	
230B	C.H.A.	24 (7/31/07)	ADHESIVE BEHIND BLACKBOARD	1.2%								80	
231A	ENGLISH CLASSROOM	24 (7/31/07)	ADHESIVE BEHIND BLACKBOARD	1.2%								80	
231B	ENGLISH CLASSROOM	24 (7/31/07)	ADHESIVE BEHIND BLACKBOARD	1.2%								80	
	LOUNGE												
	WOMEN'S BATHROOM												INSIDE LOUNGE ROOM
	MEN'S BATHROOM												INSIDE LOUNGE ROOM
	WOMEN'S BATHROOM												AT ENTRANCE VESTIBULE TO BATHROOM
	CUSTODIAN CLOSET												
	MEN'S BATHROOM												AT ENTRANCE VESTIBULE TO BATHROOM
	STORAGE												

ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CT
INVENTORY OF IDENTIFIED ASBESTOS-CONTAINING MATERIALS

ROOM NUMBER	ROOM NAME	HOMOGENEOUS AREA	SUSPECT MATERIAL DESCRIPTION	ASBESTOS CONTENT (%)	FLOORING (SF)	CEILING (SF)	WALLS (SF)	PIPE INSULATION (LF)	PIPE FITTING INSULATION (EA)	EQUIPMENT INSULATION (SF)	MISCELLANEOUS (LF)	MISCELLANEOUS (SF)	COMMENTS/CONDITION
STAIRWELLS													
A-WING	A-WING EAST STAIRWELL												
	A-WING CENTRAL STAIRWELL												
	A-WING WEST STAIRWELL												
D-WING	NORTH STAIRWELL												SECOND FLOOR LANDING
D-WING	NORTH STAIRWELL												INTERMEDIATE LANDING BETWEEN 1ST AND 2ND FLOORS
D-WING	SOUTH STAIRWELL												SECOND FLOOR LANDING
D-WING	SOUTH STAIRWELL												INTERMEDIATE LANDING BETWEEN 1ST AND 2ND FLOORS
D-WING	SOUTH STAIRWELL												GROUND FLOOR LANDING
TOTALS:					27,900	29,570	23,050	599	140	0	7,865	33,112	

APPENDIX B

Asbestos Bulk Sample Laboratory Data Sheets/Chain of Custody

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2675735
Client No.: 1
Description / Location: Off-White Pipe Wrap
A-Wing, 1st Floor,Men's Room,Chase Riser

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
40	Chrysotile	10	Cellulose	50

Lab No.: 2675736
Client No.: 2
Description / Location: Pink Fibrous
Custodian Closet, Near Women's Bath

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	90

Lab No.: 2675737
Client No.: 3
Description / Location: Brown/Black Tar/Plaster
A-Wing, 1st Floor, Hairdressing, Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2675738
Client No.: 4
Description / Location: Black Roof Material
B-Wing Corridor Above Ceilng, Interior

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
30	Chrysotile	20	Cellulose	50

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <0.25% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: J.Gallombardo

Approved By:

Frank E. Ehrenfeld, III
Laboratory Director

Date: 8/21/2006

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Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2675739
Client No.: 5
Description / Location: Black Roof Material
B-Wing Corridor Above Ceilng, Interior

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	None Detected	None Detected	90

Lab No.: 2675740
Client No.: 6
Description / Location: Black/Brown Roof Material
B-Wing Corridor Above Ceilng, Interior

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
20	Chrysotile	10	Cellulose	70

Lab No.: 2675741
Client No.: 7
Description / Location: Tan Vinyl Sheet Flooring
A-Wing, 1st Floor,Men's Room,Counter Top

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	90

Lab No.: 2675741
Client No.: 7
Description / Location: Brown Mastic
A-Wing, 1st Floor,Men's Room,Counter Top
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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Analysis Performed By: J.Gallombardo

Date: 8/21/2006

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Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2675742
Client No.: 8
Description / Location: Black Non-Fibrous
Window Sill

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2675743
Client No.: 9
Description / Location: Off-White Fibrous
C-Wing, Men's Locker Room Door

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	30	Cellulose	70

Lab No.: 2675744
Client No.: 10
Description / Location: Black Wrap
Men's Locker Room Above Ceiling, Batt

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Fibrous Glass	30
		50	Cellulose	

Lab No.: 2675745
Client No.: 11
Description / Location: Tan Ceiling Plaster
Men's Locker Room Above Ceiling, Batt

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: J.Gallombardo

Date: 8/21/2006

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CERTIFICATE OF ANALYSIS

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PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2675746
Client No.: 12
Description / Location: Brown Plaster
A-Wing, Fashion Classroom, Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2675747
Client No.: 13
Description / Location: Off-White Fibrous
A-Wing,1stFloor,CustodianCloset,Nr Men's

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	95

Lab No.: 2675748
Client No.: 14
Description / Location: Brown Plaster
Room 204, Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2675749
Client No.: 15
Description / Location: Brown Plaster
Room 225, Column

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <0.25% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: J.Gallombardo

Date: 8/21/2006

IATL International Asbestos Testing Laboratories

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Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2675750
Client No.: 16
Description / Location: Red Cementitious
Plumbing Shop, Flooring

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Other	95

Lab No.: 2675751
Client No.: 17
Description / Location: Grey/Red Cementitious
Machine Shop Locker Room, Flooring

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2675752
Client No.: 18
Description / Location: Grey/Red Cementitious
Machine Shop,Central Portion, Flooring

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Cellulose	98

Lab No.: 2675753
Client No.: 19
Description / Location: White Wrap; Vapor Barrier
C-WingCorridorOutsideAutoBodyBeneathFlr

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	75	Cellulose	25

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <0.25% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: J.Gallombardo

Date: 8/21/2006

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2675754
Client No.: 20
Description / Location: Red/Grey Cementitious
Auto Repair, Flooring

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2675755
Client No.: 21
Description / Location: Black Roof Material
Men's Locker Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	60

Lab No.: 2675756
Client No.: 22
Description / Location: Red/Grey Cementitious
Welding Shop Bathroom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2675757
Client No.: 23
Description / Location: Red/Grey Cementitious
Men's Locker Room Bathroom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: J.Gallombardo

Date: 8/21/2006

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Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2675758
Client No.: 24
Description / Location: Red/Grey Cementitious
D-Wing, Drafting, Flooring

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2675759
Client No.: 25
Description / Location: Red/Grey Cementitious
C-Wing, Welding, Flooring

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2675760
Client No.: 26
Description / Location: Grey Cementitious
Kitchen, NW Corner, Bathroom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2675761
Client No.: 27
Description / Location: Grey/Brown Cementitious
D-Wing, South End Men's Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: J.Gallombardo

Date: 8/21/2006

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2675762
Client No.: 28
Description / Location: Black/White Wrap; Vapor Barrier C-Wing,Men'sLockerRm,BeneathFloorSlab

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	50	Cellulose	50

Lab No.: 2675763
Client No.: 21(Dup)
Description / Location: Red/Grey Cementitious

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: J.Gallombardo

Date: 8/21/2006

IATL International Asbestos Testing Laboratories
16000 Horizon Way Unit 100 Mt. Laurel, NJ 080
Telephone: 609.231.9449 Fax: 609.231 981

- Chain of Custody -

Client: Delta Environmental Services
P.O. Box 564
Branford, CT 06405

Project Name: Eli Whitney TMS
Project No.: D03-170-13

Phone: (203) 481-7668
FAX: (203) 488-8164

Contact: Jim McCarthy
Pager:

Special Instructions:

Type:

Asbestos		Lead		Other
[ ] Air	[ ] Soil	[ ] Air	[ ] Soil	
[✓] Bulk	[ ] Dust	[ ] Bulk	[ ] Paint	
[ ] Water	[ ] Other	[ ] Water	[ ] Other	

Analysis Method:

[ ] PCM : NIOSH 7400	[✓] PLM : Bulk Asbestos EPA 600	[ ] TEM : AHERA
[ ] PCM : OSHA	[ ] PLM : Point Counting 198.1	[ ] TEM : NIOSH 7402
[ ] PCM : Other_____	[ ] PLM : NOB via 198.1 (PLM only)	[ ] TEM : EPA Level II
	[ ] If <1% by PLM, to TEM via 198.4	[ ] TEM : Microvac Dust
[ ] AAS : NIOSH 7082 (Air)	to meet NYSDOH requirements **	[ ] TEM : Asbestos in Water
[ ] AAS : Lead in Drinking Water	(**call to confirm TAT!)	[ ] TEM : Bulk Analysis
[ ] AAS : Lead in Paint ASTM D3335-85a		[ ] TEM : NOB 198.4
[ ] AAS : Lead Dust/Wipe		[ ] TEM : Other_____
[ ] AAS : Other Metals / Soil_____		[ ] Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ (date / time) Verbals: _____ (date / time)

[ ] 10 Day [✓] 5 Day [ ] 72 hour [ ] 48 hour [ ] 24 hour [ ] 6 hour [ ] RUSH

Preliminary FAX/Verbal Results Requested by: _____

AUG 14 2006

Sample Numbers:

Client #(s): 1 (start) - 28 (end) IATL#(s): _____ (start) - _____ (end) Total: _

Chain of Custody:

Relinquished:	[signature]	Date: 8/11/06	Time: 2:00 pm
Received:		Date:	Time:
Sample Log-in:		Date:	Time:
Sample Prep:		Date:	Time:
Analyzed:	P.M. JKD 8/21/06	Date:	Time:
QA/QC Review:	CP 8/29/06	Date:	Time:

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405
(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS
PROJECT LOCATION: Hamden, CT
PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
1	Pipe Insul.						Asbestos PLM EPA 600 2675735	River in chase A-wing 1st floor Men's Room				
2	Door Core Material						2675736	Custodian closet Near Women's Bath				
3	Column Tar/Felt						2675737	A-wing 1st fl. Hallway				
4	Tar/Felt						2675738 Pos. Stat	Interior Flashing at B-wing Corridor Above ceiling				
5	↓						2675739	↓				
6	↓						2675740	↓				
7	Laminated Cementex/ Adhesive						2675741	A-wing 1st Flor Men's Room				
8	Window sill Material						2675742					
9	Door Core Material						2675743	C-wing Men's lower Room Door				

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
				1					
ADDITIONAL COMMENTS:				2					
				3					
				4					

0024F

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME:

PROJECT LOCATION:

PROJECT NUMBER:

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
10	Bonding of Fiberglass Batt Insul.						2675744	Men's locker room above ceiling				
11	Ceiling Plaster						2675745	↓				
12	Column Tar/plaster						2675746	Fusion Chamber A-wing				
13	Door Core material						2675747 Rev. Stop w/ # 2	Cupolion Closet A-wing VT Fl Near Men's				
14	Column Tar/plaster						2675748 Rev. Stop w/ # 12	Room 204				
15	↓						2675749 Rev. Stop w/ #14	Room 225				
16	Red Ceramic Flooring						2675750	Plumbing Shop				
17	↓						2675751	Machine Shop Locker Rm (please test red layer only)				
18	↓						2675752	Machine Shop - Central portion - please test all layers				

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
				1					
ADDITIONAL COMMENTS:				2					
				3					
				4					

0024F

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: 003-170-12

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
19	Vapor Barrier						Asbestos PLM EPA 600 2675753	C-Wing corridor outside Auto Body beneath floor slab				
20	Red Cementitious Flooring						2675754	Auto Repair sieve test red layer only				
21	↓						2675755	Men's Locker Room sieve test red layer only				
22	Grout/mortar Beneath Ceramic Tile						2675756	welding shop Bathroom				
23	Brown/red Cementitious Floor						2675757	Men's Locker Room Bath sieve test Tan/red layers only				
24	Red Cementitious Floor						2675758	D-Wing Drafting sieve test red layer only				
25	↓						2675759	C-Wing Hallway sieve test red layer only				
26	White Ceramic Tile/grout/mortar/old tile mastic						2675760	Kitchen - NW Corner - Bathroom				
27	Ceramic Tile mortar						2675761	D-Wing - South End Men's Room - sieve analyze for gray layer only				

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
[signature]	Delta			1		[signature]			
				2					
				3					
				4					

ADDITIONAL COMMENTS:

DELTA Environmental Services,® Inc.

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CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: 003-170-13

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
28	Vapor Barrier/ Felt						Asbestos ELM EPA 600 2675762	Beneath Floor slab C-wing - Men's Locker Room				
21	~~extra~~ duplicate sample recieved, assigned # at random						2675763					

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

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SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
[signature]	Delta			1		[signature]			
ADDITIONAL COMMENTS:				2					
				3					
				4					

0024F

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2668559
Client No.: 1
Description / Location: Black Tar Paper
D-Wing,N End,Wall,ConnectingCorridor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	50	Cellulose	50

Lab No.: 2668560
Client No.: 2
Description / Location: Black Non-Fibrous
D-Wing, North End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2668561
Client No.: 3
Description / Location: Black Roof Material
D-Wing, North End, Foundation Base

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 5	Chrysotile	40	Cellulose	PC 58 5

Lab No.: 2668562
Client No.: 4
Description / Location: Black Roof Material
D-Wing, North End,BaseOfWallAtLifeSkills

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 3 5	Chrysotile	40	Cellulose	PC 56 5

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: B. Faulseit

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

Date: 8/21/2006

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Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

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PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2668563
Client No.: 5
Description / Location: Black Roof Material
B-Wing, Outside Maintenance Office

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
20	Chrysotile	20	Cellulose	60

Lab No.: 2668564
Client No.: 6
Description / Location: Black Roof Material
B-Wing,Outside Main Office,At Foundation

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2668565
Client No.: 7
Description / Location: Black Roof Material
B-Wing, Garage(1974), At Foundation

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2668566
Client No.: 8
Description / Location: Black Roof Material
B-Wing, Outside Plumbing, 41" High

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
20	Chrysotile	40	Cellulose	40

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: B. Faulseit

Date: 8/21/2006

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2668567
Client No.: 9
Description / Location: Black Roof Material
Lithography Theory Base

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	40	Cellulose	50

Lab No.: 2668568
Client No.: 10
Description / Location: Black Roof Material
Auto Repair Shop, West Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
20	Chrysotile	40	Cellulose	40

Lab No.: 2668569
Client No.: 11
Description / Location: Black Roof Material
Auto Repair Shop, South Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	40	Cellulose	50

Lab No.: 2668570
Client No.: 12
Description / Location: Black Rubber; 12"
Corridor Opposite Auto Boty, West Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: B. Faulseit

Date: 8/21/2006

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2668571
Client No.: 13
Description / Location: Black Rubber; 11"
North Side Welding

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2668572
Client No.: 14
Description / Location: Black Rubber; 7"
C-Wing,1980,S SideKitchenStorageNearDoor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2668573
Client No.: 15
Description / Location: Black Roof Material
C-Wing, Kitchen East Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	10	Cellulose	80

Lab No.: 2668574
Client No.: 16
Description / Location: Black Roof Material
C-Wing, Gym Base Of Wall, East Exit

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	10	Cellulose	80

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <0.25% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: B. Faulseit

Date: 8/21/2006

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2668575
Client No.: 17
Description / Location: Black Roof Material
Base Of Foundation, East Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	10	Cellulose	80

Lab No.: 2668576
Client No.: 18
Description / Location: Tan Window Glazing
West Kitchen

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 4 5	Chrysotile	None Detected	None Detected	PC 95.5

Lab No.: 2668577
Client No.: 19
Description / Location: Grey Non-Fibrous
Cafe Window Sill, East Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2668578
Client No.: 20
Description / Location: Grey Non-Fibrous
Corridor Outside Gym, West Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: B. Faulseit

Date: 8/21/2006

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2668579
Client No.: 21
Description / Location: Black Tar Paper
VaporBarrierUnder1½"WoodFloor,Electric

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	40

Lab No.: 2668580
Client No.: 22
Description / Location: Grey Cementitious
Theory Room Floor, Front Of Electric

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2668581
Client No.: 23
Description / Location: Red/White Cementitious
A-Plumbing Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 2	Chrysotile	10	Cellulose	PC 88 8

Lab No.: 2668582
Client No.: 24
Description / Location: Grey Cementitious
B-Washroom Tool & Die Shop Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <0.25% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: B. Faulseit

Date: 8/21/2006

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/22/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2668583
Client No.: 25
Description / Location: Red/White Cementitious
C-Machine Shop Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	10	Cellulose	PC 88.5

Lab No.: 2668584
Client No.: 26
Description / Location: Red/White Cementitious
E-Lithography Floor 1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 2668585
Client No.: 27
Description / Location: Red/White Cementitious
F-Lithography Floor 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	2	Cellulose	98

Lab No.: 2668586
Client No.: 28
Description / Location: Red/Grey Cementitious
G-B-Wing Hall Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope Therefore, negative PLM results cannot be guaranteed Electron Microscopy can be used as a confirming technique Regulatory Limit is based upon the sample matrix. Quantification at <0 25% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method If not reported or otherwise noted. layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: B. Faulseit

Date: 8/21/2006

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405 (203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: ELI WHITNEY THS

PROJECT LOCATION: HAMDEN, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
1	SAMP-1	2668559					BULK ASBESTOS EPA 600 (PLM)	MEMBRAINE IN WALL CAVITY, CONNECTING CORR, NO. END D-WING				
2	SAMP-2	2668560						RUBBER MEMBRANE OVER STYROFOAM, NO. END D-WING				
3	SAMP-3	2668561						TAR APPLIED AT BASE OF FOUNDATION, NO. END D-WING				
4	SAMP-4	2668562						MEMBRANE, BASE OF WALL AT LEFT SKILLS, NO. END D-WING				
5	SAMP-5	2668563						MEMBRANE, OUTSIDE MAINTENANCE OFFICE FELT, B-WING				
6	SAMP-6	2668564						B-WING OUTSIDE MAIN OFFICE TAR AT FOUNDATION				
7	SAMP-7	2668565						WATERPROOFING TAR @ FOUNDATION, B.WING GARAGE (1974)				
8	SAMP-8	2668566						B-WING OUTSIDE PLUMBING 41" HIGH				
9	SAMP-9	2668567						TAR MEMBRANE LITHOGRAPHY THICKLY BASE				

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
	DELTA	7/31/06		1	1-7				
				2					
				3					
				4					

ADDITIONAL COMMENTS:

0024F

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405 (203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: ELI WHITNEY THS

PROJECT LOCATION: HAMDEN, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
10	SAMP-10		2	6	8	5	6 8 BULK ASBESTOS EPA 600 (PLM)	AUTO REPAIR SHOP WEST SIDE 6" MEMBRANE				
11	SAMP-11		2	6	8	5	6 9	MEMBRANE AUTO REPAIR SOUTH SIDE 5"				
12	SAMP-12		2	6	8	5	7 0	CORRIDOR OPPOSITE AUTOBODY WEST SIDE 12"				
13	SAMP-13		2	6	8	5	7 1	MEMBRANE, NORTH SIDE WELDING 11"				
14	SAMP-14		2	6	8	5	7 2	C-WING 1950 SOUTH SIDE KITCHEN STORAGE NEAR DOOR PLASTIC MEMBRANE 7"				
15	SAMP-15		2	6	8	5	7 3	C-WING KITCHEN EAST SIDE 33" AT BOTTOM OF BRICK / CONCRETE FMM. BELOW				
16	SAMP-16		2	6	8	5	7 4	GYM BASE OF WALL C-WING EAST EXIT				
17	SAMP-17		2	6	8	5	7 5	CAULK AT BASE OF FOUNDATION EAST SIDE 3" FROM GRADE				
18	SAMP-18		2	6	8	5	7 6	FRAME CAULK WEST KITCHEN WINDOW (C)				

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
	DELTA	7/31/06		1	10-18				
ADDITIONAL COMMENTS:				2					
				3					
				4					

0024F

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405 (203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: ELI WHITNEY THS

PROJECT LOCATION: HAMDEN CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
19	SAMP-19		2668577				BULK ASBESTOS EPA 600 (PLM)	CAFE WINDOW SILL EAST SIDE				
20	SAMP-20		2668578					CORRIDOR OUTSIDE GYM WEST SIDE				
21	SAMP-21		2668579					VAPOR BARRIER UNDER 1½" WOOD FLOOR ELECTRIC				
22	SAMP-22		2668580					CHIPS FROM THEORY ROOM FLOOR IN FRONT OF ELECTRIC				
23	SAMP-23		2668581					A PLUMBING FLOOR				
24	SAMP-24		2668582					B WASHROOM TOOL + DIE SHOP FLOOR				
25	SAMP-25		2668583					C MACHINE SHOP FLOOR				
26	SAMP-26		2668584					E LITHOGRAPHY FLOOR 1				
27	SAMP-27		2668585					F LITHOGRAPHY FLOOR 2				

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
	DELTA	7/31/06	

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	19-27				
2					
3					
4					

ADDITIONAL COMMENTS:

0024F

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405 (203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: ELI WHITNEY THS

PROJECT LOCATION: HAMDEN, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
28	SAMP-28		2	6	8	5	BULK ASBESTOS EPA 600 (PLM)	HALL FLOOR B-WING G				

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
	DELTA	7/31/06		1	28				
ADDITIONAL COMMENTS:				2					
				3					
				4					

0024F

IATL International Asbestos Testing Laboratories
16000 Horizon Way Unit 100 Mt. Laurel, NJ 08
Telephone: 609.231.9449 Fax: 609.231.9

- Chain of Custody -

Client: Delta Environmental Services
P.O. Box 564
Branford, CT 06405

Project Name: Eli Whitney THS
Project No.: D03-170-13

Phone: (203) 481-7668
FAX: (203) 488-8164

Contact: Jim McCarthy
Pager:

Special Instructions:

Type:

Asbestos		Lead		Other
[ ] Air	[ ] Soil	[ ] Air	[ ] Soil	
[X] Bulk	[ ] Dust	[ ] Bulk	[ ] Paint	
[ ] Water	[ ] Other	[ ] Water	[ ] Other	

Analysis Method:

[ ] PCM : NIOSH 7400	[X] PLM : Bulk Asbestos EPA 600	[ ] TEM : AHERA
[ ] PCM : OSHA	[ ] PLM : Point Counting 198.1	[ ] TEM : NIOSH 7402
[ ] PCM : Other_____	[ ] PLM : NOB via 198.1 (PLM only)	[ ] TEM : EPA Level II
	[ ] If <1% by PLM, to TEM via 198.4	[ ] TEM : Microvac Dust
[ ] AAS : NIOSH 7082 (Air)	to meet NYSDOH requirements **	[ ] TEM : Asbestos in Water
[ ] AAS : Lead in Drinking Water	(**call to confirm TAT!)	[ ] TEM : Bulk Analysis
[ ] AAS : Lead in Paint ASTM D3335-85a		[ ] TEM : NOB 198.4
[ ] AAS : Lead Dust/Wipe		[ ] TEM : Other_____
[ ] AAS : Other Metals / Soil_____		[ ] Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ (date / time) Verbals: _____ (date / time)

[ ] 10 Day [X] 5 Day [ ] 72 hour [ ] 48 hour [ ] 24 hour [ ] 6 hour [ ] RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 1 (start) - 28 (end) IATL#(s): _____ (start) _____ (end) Total: ___

Chain of Custody:

Relinquished:	[signature]	Date: 8/1/05	Time: 12:00 pm
Received:		Date:	Time:
Sample Log-in:		Date:	Time:
Sample Prep:		Date:	Time:
Analyzed:		Date:	Time:
QA/QC Review:	CFE 8/29/06	Date:	Time:

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

RECEIVED SEP 11 2006

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/25/2006
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2678177 **Description / Location:** Brown Paper
Client No.: 1 Gym, West Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	75	Cellulose	25

Lab No.: 2678178 **Description / Location:** Brown Paper
Client No.: 2 No. End Carpentry Shop

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	75	Cellulose	25

Lab No.: 2678179 **Description / Location:** Brown/Black Tar Paper
Client No.: 3 So. End Carpentry Shop Addition

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	50	Cellulose	50

Lab No.: 2678180 **Description / Location:** Brown/Black Tar Paper
Client No.: 4 No. End Electrical Shop

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	75	Cellulose	25

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <0.25% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: J. Gallombardo

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

Date: 8/24/2006

IATL International Asbestos Testing Laboratories
16000 Horizon Way Unit 100 Mt. Laurel, NJ 080
Telephone: 609.231.9449 Fax: 609.231.9

- Chain of Custody -

Client: Delta Environmental Services
P.O. Box 564
Branford, CT 06405

Project Name: Eli Whitney Tech
Project No.: 503-170-B

Phone: (203) 481-7668
FAX: (203) 488-8164

Contact: Jim McCarthy
Pager:

Special Instructions:

Type:

Asbestos		Lead		Other
[ ] Air	[ ] Soil	[ ] Air	[ ] Soil	
[✓] Bulk	[ ] Dust	[ ] Bulk	[ ] Paint	
[ ] Water	[ ] Other	[ ] Water	[ ] Other	

Analysis Method:

[ ] PCM : NIOSH 7400
[ ] PCM : OSHA
[ ] PCM : Other_____

[ ] AAS : NIOSH 7082 (Air)
[ ] AAS : Lead in Drinking Water
[ ] AAS : Lead in Paint ASTM D3335-85a
[ ] AAS : Lead Dust/Wipe
[ ] AAS : Other Metals / Soil_____

[✓] PLM : Bulk Asbestos EPA 600
[ ] PLM : Point Counting 198.1
[ ] PLM : NOB via 198.1 (PLM only)
[ ] If <1% by PLM, to TEM via 198.4 to meet NYSDOH requirements **
(**call to confirm TAT!)

[ ] TEM : AHERA
[ ] TEM : NIOSH 7402
[ ] TEM : EPA Level II
[ ] TEM : Microvac Dust
[ ] TEM : Asbestos in Water
[ ] TEM : Bulk Analysis
[ ] TEM : NOB 198.4
[ ] TEM : Other_____
[ ] Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ (date / time) Verbals: _____ (date / time)

[ ] 10 Day [ ] 5 Day [✓] 72 hour [ ] 48 hour [ ] 24 hour [ ] 6 hour [ ] RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 1 - 4 (start) (end)

IATL#(s): _____ - _____ (start) (end) Total: _____

Chain of Custody:

Relinquished:	[signature]	Date: 8/18/06	Time: 11 AM
Received:		Date:	Time:
Sample Log-in:		Date:	Time:
Sample Prep:		Date:	Time:
Analyzed:		Date:	Time:
QA/QC Review:	CP 8/29/06	Date:	Time:

Archived/Released: _____ QA/QC InterLAB U[illegible] Date: _____ Time: _____

RECEIVED
AUG 19 2006
IATL - By AS

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405 (203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: 003-170-13

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
1	Felt breath wood floorings						Asbestos EPA 600 2678177	Gym - West side				
2	↓						2678178	Light Brown - No End Carpenty Shop				
3	↓						2678179	Black - So. End Carpenty Shop Addition				
4	↓						2678180	Black - No End Electrical Shop				
							↓					

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
[signature]	Delta			1		[signature]			
ADDITIONAL COMMENTS:				2					
				3					
				4					

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 1/31/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2828103 **Description / Location:** Black Tar Paper
Client No.: 1 C-Wing;Auto Repair Shop

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	50	Cellulose	50

Lab No.: 2828104 **Description / Location:** Black Wrap
Client No.: 2 D-Wing;9" From Grade North End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Lab No.: 2828105 **Description / Location:** Pink Plaster
Client No.: 3 B-Wing;Machine Shop

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2 6	Chrysotile	5	Cellulose	PC 92 4

Lab No.: 2828106 **Description / Location:** White Plaster
Client No.: 4 B-Wing;Plumbing Shop

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2 4	Chrysotile	5	Cellulose	PC 92 6

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <0.25% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: R. Caran

Approved By:

Frank E. Ehrenfeld, III
Laboratory Director

Date: 1/31/2007

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 1/31/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2828107
Client No.: 5
Description / Location: Red Floor Tile
B-Wing;Tool And Die Shop

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.5	Chrysotile	5	Cellulose	PC 92.5

Lab No.: 2828108
Client No.: 6
Description / Location: Red Floor Tile
B-Wing;Tool And Die Shop

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.0	Chrysotile	5	Cellulose	94

Lab No.: 2828109
Client No.: 7
Description / Location: Red Floor Tile
B-Wing;Tool And Die Shop Office

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.0	Chrysotile	5	Cellulose	94

Lab No.: 2828110
Client No.: 8
Description / Location: Red Floor Tile
B-Wing;Machine Shop Tool Crib

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.75	Chrysotile	5	Cellulose	PC 94.25

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: R. Caran

Date: 1/31/2007

IATL International Asbestos Testing Laboratories

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Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 1/31/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2828111
Client No.: 9
Description / Location: White Cement
B-Wing;Plumbing Shop

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2828112
Client No.: 10
Description / Location: Red Cement
B-Wing;Lithography-1971 Addition

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.9	Chrysotile	2	Cellulose	PC 96.1

Lab No.: 2828113
Client No.: 11
Description / Location: Red Cement
B-Wing;Electronics;1956 Building

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.75	Chrysotile	2	Cellulose	PC 97.25

Lab No.: 2828114
Client No.: 12
Description / Location: Red Cement
B-Wing;Electronics;1971 Addition

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	2	Cellulose	PC 96.7

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: R. Caran

Date: 1/31/2007

IATL International Asbestos Testing Laboratories
16000 Horizon Way Unit 100 Mt. Laurel, NJ 0805
Telephone: 609.231.9449 Fax: 609.231.981

- Chain of Custody -

Client: Delta Environmental Services
P.O. Box 564
Branford, CT 06405

Project Name: Eli Whitney THS
Project No.: D03-170-13

Phone: (203) 481-7668
FAX: (203) 488-8164

Contact: Jim McCarthy
Pager:

Special Instructions:

Type:

Asbestos		Lead		Other
[ ] Air	[ ] Soil	[ ] Air	[ ] Soil	
[✓] Bulk	[ ] Dust	[ ] Bulk	[ ] Paint	
[ ] Water	[ ] Other	[ ] Water	[ ] Other	

Analysis Method:

[ ] PCM : NIOSH 7400	[✓] PLM : Bulk Asbestos EPA 600	[ ] TEM : AHERA
[ ] PCM : OSHA	[ ] PLM : Point Counting 198.1	[ ] TEM : NIOSH 7402
[ ] PCM : Other_____	[ ] PLM : NOB via 198.1 (PLM only)	[ ] TEM : EPA Level II
	[ ] If <1% by PLM, to TEM via 198.4 to meet NYSDOH requirements **	[ ] TEM : Microvac Dust
[ ] AAS : NIOSH 7082 (Air)	(**call to confirm TAT!)	[ ] TEM : Asbestos in Water
[ ] AAS : Lead in Drinking Water		[ ] TEM : Bulk Analysis
[ ] AAS : Lead in Paint ASTM D3335-85a		[ ] TEM : NOB 198.4
[ ] AAS : Lead Dust/Wipe		[ ] TEM : Other_____
[ ] AAS : Other Metals / Soil_____		[ ] Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ (date / time) Verbals: _____ (date / time)

[ ] 10 Day [ ] 5 Day ~~[ ] 72 hour~~ [✓] 48 hour [ ] 24 hour [ ] 6 hour [ ] RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 1 (start) - 12 (end) IATL#(s): _____ (start) - _____ (end) Total: _

Chain of Custody:

Relinquished:	[signature] JAN 27 2007	Date: 1/25/07	Time: 12:00 pm
Received:		Date:	Time:
Sample Log-in:		Date:	Time:
Sample Prep:		Date:	Time:
Analyzed:	[signature]	Date: 1/31/07	Time:
QA/QC Review:	CP 2/6/07	Date:	Time:

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS, Hamden, CT

PROJECT LOCATION:

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
1	Membrane Beneath Floor Slab	2828	1	03			Asbestos EPA 600	C-Wing Auto Repair Shop				
2	Membrane In Exterior Wall	2828	1	4				D-Wing 9" From Grade North End				
3	Cementitious Flooring	2828	1	5				B-Wing Machine Shop 1.5" Depth from top of slab				
4		2828	1	6				B-Wing Plumbing Shop 1.3" Depth from top of slab				
5		2828	1	7				B-Wing Tool and Die Shop SE Corner just North of Office				
6		2828	1	8				B-Wing Tool and Die Shop 30' North of Office				
7		2828	1	9				B-Wing Tool and Die Shop Office				
8		2828	1	0				B-Wing Machine Shop Tool Crib				
9		2828	1	1				B-Wing Plumbing Shop South End				

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
[signature]	DELTA	1/24/03	2:30 PM

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1-9	[signature]			
2					
3					
4					

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS, Hamden, CT

PROJECT LOCATION:

PROJECT NUMBER: D03-178-13

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
10	Generations Flooring	2828112					Neutron RLM ERA 600	B-Wing Lithography - 1971 Addition - Near Theory Room				
11	↓	2828113					↓	B-Wing Electronics 1956 Building				
12	↓	2828114					↓	B-Wing Electronics 1971 Addition - SW Corner				

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
[signature]	DELTA	1/24/07	2:30 pm	1	10-12	[signature]			
				2					
				3					
				4					

ADDITIONAL COMMENTS:

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

RECEIVED AUG 31 2007

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/8/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3040425
Client No.: 1
Description / Location: Red/Grey Cementitious; Flooring
B-Wing Plumbing Shop Locker Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3040426
Client No.: 2
Description / Location: Red Cementitious; Flooring
Plumbing Shop Theory Classroom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3040427
Client No.: 3
Description / Location: Red/Grey Cementitious; Flooring
Printing Locker Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	None Detected	None Detected	100

Lab No.: 3040428
Client No.: 4
Description / Location: Red/Grey Cementitious; Flooring
Electronics Locker Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: B. Hargrove

Approved By:

Frank E. Ehrenfeld, III
Laboratory Director

Date: 8/8/2007

IATL International Asbestos Testing Laboratories

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Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/8/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3040429
Client No.: 5
Description / Location: Red/Grey Cementitious; Flooring
Boiler Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3040430
Client No.: 6
Description / Location: Red/Grey Cementitious; Flooring
Maintenance Lounge/Office

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3040431
Client No.: 7
Description / Location: Red/Grey Cementitious; Flooring
Electrical Shop Locker Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3040432
Client No.: 8
Description / Location: Grey Window Glazing
D-Wing 1st Floor; 1971 Building

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2 7	Chrysotile	None Detected	None Detected	PC 97 3

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Analysis Performed By: B Hargrove

Date: 8/8/2007

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Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/8/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3040433
Client No.: 9
Description / Location: Sample Not Analyzed

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 3040434
Client No.: 10
Description / Location: Grey Window Caulk; Edge Window Assemb D-Wing 1st Floor 1971 Building

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3040435
Client No.: 11
Description / Location: Grey Window Caulk D-Wing1stFlrAtJointsBtwn WindowSections

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3040436
Client No.: 12
Description / Location: Grey Window Putty D-Wing 1st Floor 1974 Addition Portion

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
15	Chrysotile	None Detected	None Detected	85

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: B. Hargrove

Date: 8/8/2007

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PO Box 564
Branford CT 06405

Report Date: 8/8/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3040437 **Description / Location:** Sample Not Analyzed
Client No.: 13

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 3040438 **Description / Location:** Grey Window Caulk
Client No.: 14 D-Wing 1st Floor 1974 Addition Portion

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Fibrous Glass	100

Lab No.: 3040439 **Description / Location:** Grey Window Caulk
Client No.: 15 D-Wing 1st Floor 1974 Addition Portion

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3040440 **Description / Location:** Black Tar; Waterproofing
Client No.: 16 D-Wing 1st Floor 1971 Bldg. Ext. Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 4 3	Chrysotile	20	Cellulose	PC 75 7

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: B. Hargrove

Date: 8/8/2007

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Telephone: 856-231-9449 Fax: 856-231-9818

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Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/8/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3040441
Client No.: 17
Description / Location: Black Tar; Waterproofing
D-Wing 1st Floor 1971 Bldg Ext Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 6.4	Chrysotile	20	Cellulose	PC 73.6

Lab No.: 3040442
Client No.: 18
Description / Location: Tan Fibrous
Chalkboard; D-Wing 1st Floor Room D-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85

Lab No.: 3040442
Client No.: 18
Description / Location: Black Mastic
Chalkboard; D-Wing 1st Floor Room D-4
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	None Detected	None Detected	90

Lab No.: 3040443
Client No.: 19
Description / Location: Black Chalkboard Mastic
D-Wing 1st Floor Room D-4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 7.2	Chrysotile	None Detected	None Detected	PC 92.8

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: B. Hargrove

Date: 8/8/2007

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Telephone: 856-231-9449 Fax: 856-231-9818

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PO Box 564
Branford CT 06405

Report Date: 8/8/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3040444
Client No.: 20
Description / Location: Black/Tan Fibrous Chalkboard D-Wing Room 227

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3040445
Client No.: 21
Description / Location: White/Tan Sheetrock Chalkboard D-Wing Room 227

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	78
		2	Fibrous Glass	

Lab No.: 3040445
Client No.: 21
Description / Location: Brown Mastic Chalkboard D-Wing Room 227
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0 5	Chrysotile	None Detected	None Detected	PC 99 5

Lab No.: 3040446
Client No.: 22
Description / Location: White Joint Compound Behind Chalkboard D-Wing Room 227

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: B. Hargrove

Date: 8/8/2007

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/8/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3040447
Client No.: 23
Description / Location: White Joint Compound
D-Wing Room 230-B SE Storage Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3040448
Client No.: 24
Description / Location: Brown Mastic
Behind Chalkboard; Room 230-B D-Wing

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 2	Chrysotile	None Detected	None Detected	PC 98 8

Lab No.: 3040449
Client No.: 25
Description / Location: Sample Not Analyzed

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 3040450
Client No.: 26
Description / Location: Black/Tan Fibrous
Chalkboard; D-Wing Room 231-B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Cellulose	10

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope Therefore, negative PLM results cannot be guaranteed Electron Microscopy can be used as a confirming technique Regulatory Limit is based upon the sample matrix. Quantification at <0 25% by volume is possible with this method Analysis includes all distinct separable layers in accordance with EPA 600 Method If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: B Hargrove

Date: 8/8/2007

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/8/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3040451
Client No.: 27
Description / Location: White/Tan Sheetrock
Chalkboard; D-Wing Room 231-B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	78
		2	Fibrous Glass	

Lab No.: 3040451
Client No.: 27
Description / Location: Brown Mastic
Chalkboard; D-Wing Room 231-B
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0 75	Chrysotile	None Detected	None Detected	PC 99 25

Lab No.: 3040452
Client No.: 28
Description / Location: White/Tan Sheetrock
D-Wing Room 231-B Behind Chalkboard

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	84
		1	Fibrous Glass	

Lab No.: 3040452
Client No.: 28
Description / Location: White Joint Compound
D-Wing Room 231-B Behind Chalkboard
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <0.25% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: B. Hargrove

Date: 8/8/2007

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/8/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3040453
Client No.: 29
Description / Location: White/Tan Sheetrock
Chalkboard

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Cellulose	75
		Trace	Fibrous Glass	

Lab No.: 3040453
Client No.: 29
Description / Location: Brown Mastic
Chalkboard
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	None Detected	None Detected	100

Lab No.: 3040454
Client No.: 30
Description / Location: White/Tan Sheetrock
B-Wing Plumbing Shop Theory Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	40

Lab No.: 3040454
Client No.: 30
Description / Location: White Joint Compound
B-Wing Plumbing Shop Theory Room
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <0.25% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: B. Hargrove

Date: 8/8/2007

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 8/8/2007
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 3040455
Client No.: 31
Description / Location: White Mortar; A/W Ceramic Tile
B-Wing Printing Shop Locker Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3040456
Client No.: 32
Description / Location: White/Tan Grout; A/W Ceramic Tile
B-Wing Printing Shop Locker Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 3040457
Client No.: 33
Description / Location: White Joint Compound; Over Block
D-Wing2ndFlrWomen'sBathInTeacher'sLounge

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <0.25% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: B. Hargrove

Date: 8/8/2007

IATL International Asbestos Testing Laboratories
16000 Horizon Way Unit 100 Mt. Laurel, NJ 0805
Telephone: 609.231.9449 Fax: 609.231 981

- Chain of Custody -

Client: Delta Environmental Services
P.O. Box 564
Branford, CT 06405

Project Name: Eli Whitney THS
Project No.: D03-170-13

Phone: (203) 481-7668
FAX: (203) 488-8164

Contact: Jim McCarthy
Pager:

Special Instructions:

Type:

Asbestos		Lead		Other
[ ] Air	[ ] Soil	[ ] Air	[ ] Soil	
[✓] Bulk	[ ] Dust	[ ] Bulk	[ ] Paint	
[ ] Water	[ ] Other	[ ] Water	[ ] Other	

Analysis Method:

[ ] PCM : NIOSH 7400
[ ] PCM : OSHA
[ ] PCM : Other_____

[ ] AAS : NIOSH 7082 (Air)
[ ] AAS : Lead in Drinking Water
[ ] AAS : Lead in Paint ASTM D3335-85a
[ ] AAS : Lead Dust/Wipe
[ ] AAS : Other Metals / Soil_____

[✓] PLM : Bulk Asbestos EPA 600
[ ] PLM : Point Counting 198.1
[ ] PLM : NOB via 198.1 (PLM only)
[ ] If <1% by PLM, to TEM via 198.4 to meet NYSDOH requirements **
(**call to confirm TAT!)

[ ] TEM : AHERA
[ ] TEM : NIOSH 7402
[ ] TEM : EPA Level II
[ ] TEM : Microvac Dust
[ ] TEM : Asbestos in Water
[ ] TEM : Bulk Analysis
[ ] TEM : NOB 198.4
[ ] TEM : Other_____
[ ] Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ (date / time) Verbals: _____ (date / time)

[ ] 10 Day [ ] 5 Day [ ] 72 hour [✓] 48 hour [ ] 24 hour [ ] 6 hour [ ] RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 1 (start) - 33 (end) IATL#(s): _____ (start) - _____ (end) Total: _

Chain of Custody:

Relinquished: [signature] Date: 7/2/07 Time: 4:00 pm
Received: Date: Time:
Sample Log-in: Date: Time:
Sample Prep: Date: Time:
Analyzed: [signature] 8-8-07 Date: Time:
QA/QC Review: CP 8/16/07 Date: Time:

RECEIVED
AUG 0 4 2007
IATL - By [signature]

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405
(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-12

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify ____; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
1	Cementitious Flooring	3040425					Asbestos PLM EPA 600	B-Wing Plumbing Shop Locker Room				
2		3040426						Plumbing Shop Theory Classroom				
3		3040427						Printing Locker Room Floor				
4		3040428						Electronics Locker Room				
5		3040429						Boiler Room				
6		3040430						Maintenance Lounge/Office				
7		3040431						Electrical Shop Locker Room				
8	Window Glazing	3040432					RO STOP	D-Wing - UT Floor 1971 Building				
9		3040433										

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle
Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify ____

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
James P. Mehrotra	DELTA	7/31/07	2:00 PM

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		James P. Mehrotra			
2					
3					
4					

DELTA Environmental Services,® Inc.

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(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: E. Whitney THS
PROJECT LOCATION: Hamden, CT
PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; O = Outfall; WO = Waste Oil; RO = Run Off; B = Bottom Sediment; SW = Sewage; SG = Sludge; S = Soil; R = River/Stream; LF = Landfill; WW = Wastewater; L = Lake/Ocean; X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
10	Window Caulk	3040434					Asbestos PLM EPA 600	D-Wing - Ut Floor 1971 Building @ Edge window Assembly				
11	↓	3040435						D-Wing - Ut Floor at joint between window sections				
12	Window Glazing	3040436					Pos. Stop	D-Wing Ut Floor 1974 Addition portion				
13	↓	3040437					↓	↓				
14	Window Caulk	3040438					Pos. Stop	↓				
15	↓	3040439					↓					
16	Waterproofing Felt/Tar	3040440						D-Wing Ut Floor 1971 Building in Exterior wall				
17	↓	3040441						↓				
18	Chalkboard Material/Adhesive	3040442					↓ Pos. Stop w/ #19	D-Wing - Ut Floor Room D-4				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle
Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
James P. Mulvey	DELTA	7/31/07	2:00 pm	1		James P. Mulvey			
				2					
				3					
				4					

ADDITIONAL COMMENTS:

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405
(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS
PROJECT LOCATION: Hamden, CT
PROJECT NUMBER: D03-170-18

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
14	Chalkboard Adhesive	3040443					Asbestos PLM EPA 600 — Pos. Stop w/ #18	D-Wing - 1st Floor Room D-4				
20	Chalkboard material	3040444						D-Wing Room 227				
21	Chalkboard Glue Dabs/ Sheetrock	3040445						↓				
22	Joint Compound behind Chalkboard	3040446						↓				
23	Joint Compound	3040447						Room 230-B D-Wing SE Storage Room				
24	Glue Dabs behind Corkboard	3040448					Pos Stop	Room 230-B D-Wing				
25	↓	3040449					↓	↓				
26	Chalkboard material	3040450					Pos. Stop w/ #20	D-Wing Room 231-B				
27	Chalkboard Glue Dabs/ Sheetrock	3040451					Pos. Stop w/ #21	↓				

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
James P. Mulvey	DELTA	7/31/07	2:00 pm	1		James P. Mulvey			
				2					
				3					
				4					

ADDITIONAL COMMENTS:

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405
(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS
PROJECT LOCATION: Hamden, CT
PROJECT NUMBER: D03-170-12

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
28	Sheetrock/ Joint Compound	3040445					Asbestos PLM EPA 600	D-Wing Room 231-B Behind chalkboard				
29	Chalkboard Glue Board	3040453					Results w/ #21,27					
30	Sheetrock/ Joint Compound	3040454						B-Wing Plumbing Shop Theory Room				
31	Ceramic Tile Mud/Mortar	3040455						B-Wing Printing Shop Locker Room				
32	Ceramic Tile Grout	3040456										
33	Skim Coat over Block	3040457						D-Wing 2nd Floor-Women's Bath in Teacher's Lounge				

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
James P. Mulvey	DELTA	7/31/07	2:00 pm	1		James P. Mulvey			
				2					
				3					
				4					

ADDITIONAL COMMENTS:

ChemScope INDUSTRIAL HYGIENE • ENVIRONMENTAL CHEMISTRY
P.O. BOX 389 FAIR HAVEN STATION, NEW HAVEN, CT 06513-0389
15 Moulthrop Street., North Haven, CT 06473-3686 • Phone (203) 865-5605 • Fax (203) 498-1610

RECEIVED
FEB 11 2003

Certificate Of Analysis

Delta Environmental Services, Inc
PO Box 564
81 Schoolground Road
Branford CT 06405

2/6/03
CS# 151-811

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 1/31/03

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	Findings
151-811-1 White hard 12x12 floor tile with gray streaks (on black mastic (layers below Delta sample #2)) / 1-C-Wing Corridor-Near Kitchen (Analyzed 2/6/03)	*<1% Chrysotile Asbestos* *36% Non- Fibrous Particles* *23% Volatile on Ignition* *41% Acid Soluble Carbonates*
151-811-2 Black mastic (from under sample #1) / 1-C-Wing Corridor-Near Kitchen (Analyzed 2/4/03)	*15% Chrysotile Asbestos* *13% Non- Fibrous Particles* *72% Volatile on Ignition*
151-811-3 Light tan hard 12x12 floor tile with white and brown streaks (on yellow mastic (not analyzed as per customer request), on sample #1) / 2-C-Wing Corridor-Near Kitchen (Analyzed 2/6/03)	*No Asbestos Detected* *79% Non- Fibrous Particles* *21% Volatile on Ignition*
151-811-4 Brown hard 12x12 floor tile with dark brown and white streaks (on black mastic with a gray crumbly undercoating) / 3-C-Wing Corridor-Near Auto Body Shop (Analyzed 2/6/03)	*<1% Chrysotile Asbestos* *33% Non- Fibrous Particles* *26% Volatile on Ignition* *41% Acid Soluble Carbonates*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 1/31/03

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings**
151-811-5 Black mastic with a gray crumbly undercoating (from under sample #4) / 3-C-Wing Corridor-Near Auto Body Shop (Analyzed 2/4/03)	*27% Chrysotile Asbestos* *32% Non- Fibrous Particles* *41% Volatile on Ignition*
151-811-6 Green hard 9x9 floor tile with white and dark green specks (on black mastic) / 4-D-Wing Corridor-Near LPN Laboratory (Analyzed 2/6/03)	*<1% Chrysotile Asbestos* *27% Non- Fibrous Particles* *31% Volatile on Ignition* *42% Acid Soluble Carbonates*
151-811-7 Black mastic (from under sample #6) / 4-D-Wing Corridor-Near LPN Laboratory (Analyzed 2/4/03)	*25% Chrysotile Asbestos* *20% Non- Fibrous Particles* *55% Volatile on Ignition*
151-811-8 Red hard/granular coating (on concrete floor) / 5-C-Wing Corridor-Near Auto Laboratory (Analyzed 2/4/03)	*No Asbestos Detected* *92% Non- Fibrous Particles* *8% Volatile on Ignition*
151-811-9 White hard 12x12 floor tile with gray and green mottling (on black mastic with a gray crumbly undercoating) / 6-D-Wing Corridor-Near Drafting (Analyzed 2/6/03)	*<1% Chrysotile Asbestos* *35% Non- Fibrous Particles* *24% Volatile on Ignition* *41% Acid Soluble Carbonates*
151-811-10 Black mastic with a gray crumbly undercoating (from under sample #9) / 6-D-Wing Corridor-Near Drafting (Analyzed 2/4/03)	*5% Chrysotile Asbestos* *76% Non- Fibrous Particles* *19% Volatile on Ignition*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 1/31/03

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings**
151-811-11 White hard skim coat with yellow/green painted face (on gray granular concrete/plaster block) / 7-D-Wing Corridor-Near LPN Laboratory (Analyzed 2/4/03)	*No Asbestos Detected* *100% Non- Fibrous Particles*
151-811-12 Gray granular concrete/plaster block (from under sample #11) / 7-D-Wing Corridor-Near LPN Laboratory (Analyzed 2/4/03)	*No Asbestos Detected* *100% Non- Fibrous Particles* *<1% Cellulose*
151-811-13 White hard skim coat with yellow/green painted face (on gray granular concrete/plaster block) / 8-D-Wing Corridor-Near LPN Laboratory (Analyzed 2/4/03)	*No Asbestos Detected* *100% Non- Fibrous Particles* *<1% Cellulose*
151-811-14 Gray granular concrete/plaster block (from under sample #13) / 8-D-Wing Corridor-Near LPN Laboratory (Analyzed 2/4/03)	*No Asbestos Detected* *100% Non- Fibrous Particles* *<1% Cellulose*
151-811-15 White hard joint compound with a brown face coat () / 9-D-Wing Corridor-Partirion Wall (Analyzed 2/4/03)	*No Asbestos Detected* *90% Non- Fibrous Particles* *10% Volatile on Ignition*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 1/31/03

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings**

Accreditation by the National Institute of Standards and Technology (NIST) # 101061-0
Accreditation by the American Industrial Hygiene Assocation (AIHA) #100134
Connecticut Department of Public Health (DPH) Approved Environmental Lab PH 0581
Accreditation Program (NVLAP) does not imply endorsement by this Federal Agency.
This report pertains only to the samples tested and may not be reproduced in part.
The scope of Accreditation referenced in this report pertains to bulk asbestos analysis by PLM.
See test parameters on reverse side of this report.

Signature (if applicable)	**Signature (if applicable)**	***Authorized Signature:***	or	***Authorized Signature:***
Analyst	**Inspector**	***Ronald D. Arena***		***Suzanne Cristante***
		Director		***QA Coordinator***

NVLAP ACCREDITED LAB# 101061-0 AIHA ACCREDITED LAB # 100134

DELTA Environmental Services,® Inc.

CS# 151-811

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405 (203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney AVTS
PROJECT LOCATION: Hamden, CT
PROJECT NUMBER: D00-144-23

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
1	White 12" Tile (Layer Below Sample 2)						Asbestos TEM EPA 600	C-Wing Corridor Near Kitchen				
2	Tan 12" Tile w/ White & Brown Streaks	Normatic						↓				
3	Brown 12" Tile w/ Dark Brown & Wh. Streaks							C-Wing Corridor Near Auto Body Shop				
4	Green 9" Tile w/ White Streaks							D-Wing Corridor Near LPN Laboratory				
5	Red Coating on Concrete Floor							C-Wing Corridor Near Auto Lab				
6	White 12" Floor Tile w/ Gray/Green Mottling							D-Wing Corridor Near Drafting				
7	Thin Coat with Yellow-Green Paint on Concrete Block						Col. Stop	D-Wing Corridor Near LPN Laboratory				
8	↓						↓	↓				
9	Joint Compound						↓	D-Wing Corridor Partition Wall				

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
June R Mel	Delta	1/21/03	3:00 PM	1	1-9	June R Mel	G. Eidemanitis	1-31-03	3:38 pm
ADDITIONAL COMMENTS:				2					
				3					
				4					

0024F

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 3/8/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190342
Client No.: 10
Description / Location: Tan/Red Flr Material
Drafting Room, D-1A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190343
Client No.: 11
Description / Location: Tan Floor Tile; 12x12
Bilingual Classroom, D-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 4	Chrysotile	None Detected	None Detected	PC 98 6

Lab No.: 2190344
Client No.: 12
Description / Location: Black Mastic A/W Sample 11
Bilingual Classroom, D-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 6	Chrysotile	None Detected	None Detected	PC 98 4

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: M. Mirza

Approved By:

Frank E. Ehrenfeld, III
Laboratory Director

Date: 3/7/2005

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Report Date: 3/8/2005
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Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190345
Client No.: 13
Description / Location: Lt. Brown Floor Tile; 12x12
Bilingual Classroom, D-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 5	Chrysotile	None Detected	None Detected	PC 98 5

Lab No.: 2190345
Client No.: 13
Description / Location: Black Mastic
Bilingual Classroom, D-1
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2 1	Chrysotile	None Detected	None Detected	PC 97 9

Lab No.: 2190346
Client No.: 14
Description / Location: White/Off-White Jt Compound
Bilingual Classroom At Column, D-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0 3	Chrysotile	None Detected	None Detected	PC 99 7

Lab No.: 2190347
Client No.: 15
Description / Location: Tan/White Sheetrock
Bilingual Classroom At Column, D-1

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85

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Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190348
Client No.: 16
Description / Location: White Wallpaper
Folding Partition, Drafting Room, D-1A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Cellulose	75

Lab No.: 2190348
Client No.: 16
Description / Location: Yellow Mastic
Folding Partition, Drafting Room, D-1A
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190349
Client No.: 17
Description / Location: Black Mastic
Bread Room Near D-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 3 5	Chrysotile	None Detected	None Detected	PC 96 5

Lab No.: 2190350
Client No.: 18
Description / Location: Lt Grey Floor Tile; 9x9
Bread Room Near D-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2 5	Chrysotile	None Detected	None Detected	PC 97 5

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Report Date: 3/8/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190351
Client No.: 19
Description / Location: Grey Flr Material
LPN Lab, Room D-3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190352
Client No.: 20
Description / Location: Black Floor Tile; 9x9
Corridor Near Dental Office, D-19

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.4	Chrysotile	None Detected	None Detected	PC 98.6

Lab No.: 2190353
Client No.: 21
Description / Location: Black Mastic
Room D-24

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 3	Chrysotile	None Detected	None Detected	PC 98 7

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190354
Client No.: 22
Description / Location: Lt Green Floor Tile; 9x9
Room D-24

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

Lab No.: 2190354
Client No.: 22
Description / Location: Tan/Black Mastic
Room D-24
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 4.5	Chrysotile	None Detected	None Detected	PC 95.5

Lab No.: 2190355
Client No.: 23
Description / Location: Lt Grey Mastic
SE Sink Pan Sealant, Room D-17

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	90

Lab No.: 2190356
Client No.: 24
Description / Location: Black Mastic
SE Sink Pan Sealant, Room D-17

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

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Report Date: 3/8/2005
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Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190357
Client No.: 25
Description / Location: Lt. Grey Mastic
LPNDemonstrationRoom,SinkPanSealant,D-7

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	90

Lab No.: 2190358
Client No.: 26
Description / Location: Grey Flr Material
Dental Tech Lab, Room D-15

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190359
Client No.: 27
Description / Location: Dark Brown Baseboard Mastic
Bilingual Classroom, Room D-8

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Other	97

Lab No.: 2190360
Client No.: 28
Description / Location: Green Floor Tile; 9x9
Bilingual Classroom, Room D-8

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

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Branford CT 06405

Report Date: 3/8/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190361
Client No.: 29
Description / Location: Tan Insulation
Small Pipe Fitting, Corridor Near D-9

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	30	Mineral Wool	70

Lab No.: 2190362
Client No.: 30
Description / Location: Tan Insulation
Large Pipe Fitting, Corridor Near D-9

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	30	Mineral Wool	70

Lab No.: 2190363
Client No.: 31
Description / Location: White/Tan Ceiling Tile; 2x4
Corridor Near D-9

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	30	Cellulose	35
		35	Mineral Wool	

Lab No.: 2190364
Client No.: 32
Description / Location: White/Tan Ceiling Tile; 2x4
Corridor Near D-9

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	30	Cellulose	30
		40	Mineral Wool	

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Branford CT 06405

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190365
Client No.: 33
Description / Location: Tan Insulation
Large Pipe Fitting, Heating Line NearD-7

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	30	Mineral Wool	70

Lab No.: 2190366
Client No.: 34
Description / Location: Brown Mastic
From 1x1 Ceiling Tile, Corridor Near 113

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	4	Other	96

Lab No.: 2190367
Client No.: 35
Description / Location: Brown Mastic
From 1x1 Ceiling Tile, Corridor Near 113

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Other	97

Lab No.: 2190368
Client No.: 36
Description / Location: White/Tan Ceiling Tile; 1x1
Corridor Near 113

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	95	Cellulose	5

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190369
Client No.: 37
Description / Location: White/Lt Tan Ceiling Tile; 2x2
Corridor Near 113

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	30
		50	Mineral Wool	

Lab No.: 2190370
Client No.: 38
Description / Location: Brown Mastic
Corridor Near 113

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Other	97

Lab No.: 2190371
Client No.: 39
Description / Location: White/Tan Ceiling Tile; 1x1
Corridor Near 113

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	95	Cellulose	5

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190372
Client No.: 40
Description / Location: Brown Vinyl Sheet Flooring
Conference Room 120 Below Carpet

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85

Lab No.: 2190372
Client No.: 40
Description / Location: Yellow Mastic
Conference Room 120 Below Carpet
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190373
Client No.: 41
Description / Location: Brown Vinyl Sheet Flooring
Fashion Classroom, Room 122

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85

Lab No.: 2190374
Client No.: 42
Description / Location: Lt. Grey Mastic
FashionClassroom,SinkPanSealant,Room122

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	90

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190375
Client No.: 43
Description / Location: White/Lt Tan Ceiling Tile; 2x2
C-Wing, Corridor Near Gym

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	30	Cellulose	30
		40	Mineral Wool	

Lab No.: 2190376
Client No.: 44
Description / Location: Brown Mastic
Vestibule Near Cafeteria Corridor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Other	97

Lab No.: 2190376
Client No.: 44
Description / Location: Tan/White Sheetrock
Vestibule Near Cafeteria Corridor
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	85
		5	Fibrous Glass	

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Report Date: 3/8/2005
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190377
Client No.: 45
Description / Location: Tan Floor Tile; 12x12
Vestibule Near Cafeteria Corridor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190377
Client No.: 45
Description / Location: Tan Mastic
Vestibule Near Cafeteria Corridor
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190378
Client No.: 46
Description / Location: Red/Tan Flr Material
Vestibule Near Cafeteria Corridor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190379
Client No.: 47
Description / Location: Green Carpet Mastic
Social Studies Classroom 105

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: M. Mirza

Date: 3/7/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 3/8/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190380
Client No.: 48
Description / Location: Lt. Tan Floor Tile; 12x12
Rear Of Student's Room 107

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190380
Client No.: 48
Description / Location: Black Mastic
Rear Of Student's Room 107
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190381
Client No.: 49
Description / Location: White/Lt. Tan Ceiling Tile; 2x4
Rear Of Student's Room 107

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	50	Cellulose	45
		5	Mineral Wool	

Lab No.: 2190382
Client No.: 50
Description / Location: Brown Mastic
OnSheetrock-OldCeilingAboveSusp Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	4	Other	96

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: M. Mirza

Date: 3/7/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 3/8/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190383 **Description / Location:** Lt. Tan Floor Tile; 12x12
Client No.: 51 Classroom 111

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190384 **Description / Location:** Grey Mastic A/W Sample 51
Client No.: 52 Classroom 111

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190384 **Description / Location:** Brown Flr Material **Layer No.:** 2
Client No.: 52 Classroom 111

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	5	Cellulose	PC 93.7

Lab No.: 2190385 **Description / Location:** Black Felt
Client No.: 53 2ndFloorD-WingNear226AboveSusp Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	60

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: M. Mirza

Date: 3/7/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 3/8/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2190386
Client No.: 54
Description / Location: Brown Mastic
Ceiling In Corridor Near 224

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Other	97

Lab No.: 2190387
Client No.: 55
Description / Location: Tan Floor Tile; 12x12
Room 224

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190388
Client No.: 56
Description / Location: Yellow Mastic A/W Sample 55
Room 224

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2190389
Client No.: 57
Description / Location: Tan Floor Tile; 12x12
Room 224

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: M. Mirza

Date: 3/7/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 609.231.9449 Fax: 609.231.9818

- Chain of Custody -

Client: Delta Environmental Services
P.O. Box 564
Branford, CT 06405

Project Name: Eli Whitney THS
Project No.: Hamden, CT
203-170-13

Phone: (203) 481-7668
FAX: (203) 488-8164

Contact: Jim McCarthy
Pager:

Special Instructions:

Type:

Asbestos		Lead		Other
[ ] Air	[ ] Soil	[ ] Air	[ ] Soil	
[✓] Bulk	[ ] Dust	[ ] Bulk	[ ] Paint	
[ ] Water	[ ] Other	[ ] Water	[ ] Other	

Analysis Method:

[ ] PCM : NIOSH 7400	[✓] PLM : Bulk Asbestos EPA 600	[ ] TEM : AHERA
[ ] PCM : OSHA	[ ] PLM : Point Counting 198.1	[ ] TEM : NIOSH 7402
[ ] PCM : Other_____	[ ] PLM : NOB via 198.1 (PLM only)	[ ] TEM : EPA Level II
	[ ] If <1% by PLM, to TEM via 198.4 to meet NYSDOH requirements **	[ ] TEM : Microvac Dust
[ ] AAS : NIOSH 7082 (Air)	(**call to confirm TAT!)	[ ] TEM : Asbestos in Water
[ ] AAS : Lead in Drinking Water		[ ] TEM : Bulk Analysis
[ ] AAS : Lead in Paint ASTM D3335-85a		[ ] TEM : NOB 198.4
[ ] AAS : Lead Dust/Wipe		[ ] TEM : Other_____
[ ] AAS : Other Metals / Soil_____		[ ] Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ (date / time) Verbals: _____ (date / time)

[ ] 10 Day [ ] 5 Day [✓] 72 hour [ ] 48 hour [ ] 24 hour [ ] 6 hour [ ] RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 11 (start) - 57 (end) IATL#(s): _____ (start) - _____ (end) Total: ___

Chain of Custody:

Relinquished:	June A. Mikutta	Date: 2/23/05	Time: 1:00 pm
Received:		Date:	Time:
Sample Log-in:		Date: 2/26/2005	Time:
Sample Prep:		Date:	Time:
Analyzed:	MM 3/7/05	Date:	Time:
QA/QC Review:	CR 3/18/05	Date:	Time:

RECEIVED

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; O = Outfall; SG = Sludge; S = Soil; X = Other; Specify; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
10	Red Flooring/ Concrete		2190342				Asbestos PLM EPA 600	Drafting Room D-1A				
11	Orange/Brown 12" Vinyl Floor Tile		2190343					Bilingual Classroom D-1				
12	Mastic below Sample 11		2190344									
13	Orange/Brown 12" Vinyl Floor Tile with Mastic		2190345									
14	Joint Compound		2190346					Bilingual Classroom D-1 at Column				
15	Sheetrock		2190347									
16	Wall Paper		2190348					Folding Partition Drafting Room D1A				
17	Mastic from Light Gray 9" Floor Tile		2190349					Bread Room Near D-3				
18	Light Gray 9" Floor Tile		2190350									

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
June M Melatto	Delta			1		June M			
				2					
				3					
				4					

ADDITIONAL COMMENTS:

MM 3/7/05

0024F

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
19	Gray Floor Treatment	2190351					Asbestos PLM EPA 600	Room D-3 LPN Lab				
20	Black 9" Floor Tile	2190352						Corridor Near Dental office D-19				
21	Sink Pan Sealant	2190353						Room D-24				
22	Light Green 9" Floor Tile white streaks	2190354						Room D-24				
23	Sink Pan Sealant (Gray)	2190355						Room D-17 SE sink				
24	Sink Pan Sealant (black)	2190356						Room D-17 SW sink				
25	Sink Pan Sealant (gray)	2190357						LPN Demonstration Room D-7				
26	Gray Floor Treatment	2190358						Room D-15 Dental Tech Lab				
27	Baseboard Molding Adhesive	2190359						Room D-8 Bilingual Classroom				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
June M Melatto	Delta	2/22/05	4:00 pm	1	19-27	June M			
				2					
				3					
				4					

ADDITIONAL COMMENTS:

X074F

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; O = Outfall; SG = Sludge; S = Soil; X = Other; Specify; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
28	Green 9" Floor Tile white streaks	2190360					Asbestos PLM EPA 600	Room D-8 Bilingual Classroom				
29	Pipe Fitting	2190361						Small Fitting on Domestic water Line Corridor Near D-9				
30	Pipe Fitting	2190362						Large Fitting on Heating Line Corridor Near D-9				
31	2x4' pinhole Pattern Suspended Ceiling Tile	2190363					Pos. Stop	Corridor Near D-9				
32	↓	2190364					↓	↓				
33	Pipe Fitting	2190365					Pos. Stop w/ #30	Large Fitting on Heating Line Near D-7				
34	Sheetrock/ Glue Daub	2190366					Pos. Stop	From 1x1 Ceiling Tile Corridor Near 113				
35	Glue Daub	2190367					↓	↓				
36	1x1 pinhole Pattern Ceiling Tile	2190368					↓	↓				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
James Malatto	Delta	2/22/05	4:00 PM

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	28-36	James Malatto			
2					
3					
4					

0024F

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
37	2'x2' Suspended Ceiling Tile	2100369					Asbestos PLM EPA 600	" "				
38	Glue Daub	2100370					Pos. Stop w/ 34,35	" "				
39	1x1 Pinhole Pattern Ceiling Tile	2100371					Pos. Stop w/ 36	" "				
40	Brown Flooring over Fabric	2100372					Pos. Stop	Conference Room 120 below Carpet				
41	↓	2100373					↓	Room 122 Fashion Classroom				
42	Sink Pan Sealant (Gray)	2100374						↓				
43	2x2 Suspended Ceiling Tile	2100375						C-wing Corridor Near Gym				
44	Sheetrock/ Glue Daub	2100376						Vestibule Near Cafeteria Corridor				
45	Tan 12" Floor Tile w/ white, brown streaks	2100377					↓	↓				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle
Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
Jun n Melanth	Delta	2/22/05	4:00 pm	1	37-45	Jun n Mel			
				2					
				3					
				4					

ADDITIONAL COMMENTS:

0024F

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
46	Red Flooring/ Carpet	2190378					Asbestos PLM EPA 600	" "				
47	Green Carpet Adhesive	2190379						Social Studies Classroom 105				
48	Tan 12" Floor Tile w/ white, Blue streaks	2190380						Dean of Students Room 107				
49	2x4 Rough Texture Ceiling Tile	2190381						↓				
50	Glue Daub	2190382						on Sheetrock - Old ceiling above suspended ceiling				
51	Tan 12" Floor Tile w/ white, brown streaks	2190383						Classroom 111				
52	Mastic from #51	2190384						↓				
53	Construction Felt above suspended ceiling	2190385						2nd Floor D-wing Near 226				
54	Glue Daub	2190386					↓	Ceiling in corridor Near 224				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
June M Malatto	Delta	2/22/05	4:00 pm

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	46-54	June M			
2					
3					
4					

ADDITIONAL COMMENTS:

0024F

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; O = Outfall; WO = Waste Oil; RO = Run Off; B = Bottom Sediment; SW = Sewage; SG = Sludge; S = Soil; R = River/Stream; LF = Landfill; WW = Wastewater; L = Lake/Ocean; X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
55	Tan 12" Floor Tile w/ white, Brown streaks	2190387					Asbestos PLM EPA 600	Room 224				
56	Mastic from #55	2190388										
57	Tan 12" Floor Tile w/ white, Brown streaks	2190389					Pos. stat w/ 55					

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
June M Melanto	Delta	2/22/05	4:00 pm

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	55-57	June M Melanto			
2					
3					
4					

)024F

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 4/20/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226577
Client No.: 58
Description / Location: Red Cementitious
C-Wing; Boys Locker Rm

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226578
Client No.: 59
Description / Location: Red Cementitious
Gym NW Corner Storage Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226579
Client No.: 60
Description / Location: Red Cementitious
B-Wing Maintenance Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226580
Client No.: 61
Description / Location: White Plaster
Gym NW Corner Storage Room; Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: T. Snyder

Approved By:

Frank E. Ehrenfeld, III
Laboratory Director

Date: 4/19/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 4/20/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226581
Client No.: 62
Description / Location: Grey Cementitious
Gym NW Corner Storage Room; Ceiling

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226582
Client No.: 63
Description / Location: Grey Insulation
C-Wing Food Storage Room; Pipe Fitting

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
65	Chrysotile	None Detected	None Detected	35

Lab No.: 2226583
Client No.: 64
Description / Location: Red Floor Tile; 9"; StorageRm
NextToWomen's Bathroom&OppositeGym

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 6.5	Chrysotile	None Detected	None Detected	PC 93.5

Lab No.: 2226583
Client No.: 64
Description / Location: Black Mastic
NextToWomen's Bathroom&OppositeGym
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 4.25	Chrysotile	None Detected	None Detected	PC 95.75

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: T. Snyder

Date: 4/19/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 4/20/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226584
Client No.: 65
Description / Location: Red Cementitious
C-Wing Food Storage Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226585
Client No.: 66
Description / Location: Grey Floor Tile; 9";C-Wing
StorageClosetAtEndOfCafeteriaCorridor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 8 25	Chrysotile	None Detected	None Detected	PC 91 75

Lab No.: 2226585
Client No.: 66
Description / Location: Black Mastic
StorageClosetAtEndOfCafeteriaCorridor
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226586 **Description / Location:** Tan Floor Tile; 12"
Client No.: 67 Boy's Locker Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.5	Chrysotile	None Detected	None Detected	PC 97.5

Lab No.: 2226586 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 67 Boy's Locker Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226587 **Description / Location:** Green Floor Tile; 9"
Client No.: 68 C-Wing Facility Dining Room Kitchen

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 4.5	Chrysotile	None Detected	None Detected	PC 95.5

Lab No.: 2226587 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 68 C-Wing Facility Dining Room Kitchen

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.25	Chrysotile	None Detected	None Detected	PC 97.75

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226588
Client No.: 69
Description / Location: Grey Window Glazing
B-Wing Carpentry Shop

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 5	Chrysotile	None Detected	None Detected	PC 98.5

Lab No.: 2226589
Client No.: 70
Description / Location: White Window Glazing
A-Wing Classroom 210

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226590
Client No.: 71
Description / Location: Grey Ceiling Tile; 1x1 B-Wing
Corridor CentralPortionNearDoubleDoors

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	25
		35	Mineral Wool	

Lab No.: 2226591
Client No.: 72
Description / Location: Brown Mastic; B-Wing
Corridor CentralPortionNearDoubleDoors

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226592
Client No.: 73
Description / Location: Yellow Mastic; B-Wing Corridor CentralPortionNearDoubleDoors

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226593
Client No.: 74
Description / Location: Grey Insulation Plumbing Shop Theory Room; Pipe Fitting

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
65	Chrysotile	None Detected	None Detected	35

Lab No.: 2226594
Client No.: 75
Description / Location: Grey Insulation Plumbing Shop Theory Room; Pipe

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	80	Cellulose	10

Lab No.: 2226595
Client No.: 76
Description / Location: Grey Window Glazing Plumbing Shop Classroom In NW CornerLoft

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 75	Chrysotile	None Detected	None Detected	PC 98 25

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226596
Client No.: 77
Description / Location: Red Cementitious; B-Wing ElectricalShopMen'sLockerRmOrigBldg

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226597
Client No.: 78
Description / Location: Red Cementitious/Floor Tile; B Wing Printing Shop West Side 1972 Addition

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.75	Chrysotile	2	Cellulose	PC 96.25

Lab No.: 2226598
Client No.: 79
Description / Location: Red Cementitious/Floor Tile; B Wing Electrical Shop TheoryRoomOriginialBldg

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.25	Chrysotile	2	Cellulose	PC 95.75

Lab No.: 2226599
Client No.: 80
Description / Location: Red Cementitious B Wing Corridor Near South Exit

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226600
Client No.: 81
Description / Location: Tan Floor Tile; 12"; B Wing
Machine Shop Classroom 1980 Addition

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.75	Chrysotile	None Detected	None Detected	PC 97.25

Lab No.: 2226600
Client No.: 81
Description / Location: Black Mastic
Machine Shop Classroom 1980 Addition
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226600
Client No.: 81
Description / Location: Grey Cementitious
Machine Shop Classroom 1980 Addition
Layer No.: 3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226601
Client No.: 82
Description / Location: Tan Floor Tile; 12"
B Wing Plumbing Shop SE Corner Loft

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226601
Client No.: 82
Description / Location: Yellow Mastic
B Wing Plumbing Shop SE Corner Loft
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226602
Client No.: 83
Description / Location: Black Tar
B Wing Electrical Shop Theory Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	None Detected	None Detected	90

Lab No.: 2226603
Client No.: 84
Description / Location: Red Cementitious/Floor Tile
B Wing PrintingShopLockerRm OriginalBldg

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.25	Chrysotile	3	Cellulose	PC 94.75

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226604
Client No.: 85
Description / Location: Grey Window Glazing
B Wing PlumbingShop SE Corner Loft

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 5	Chrysotile	None Detected	None Detected	PC 98 5

Lab No.: 2226605
Client No.: 86
Description / Location: Black Tar
B Wing Electronics Shop Theory Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	None Detected	None Detected	90

Lab No.: 2226606
Client No.: 87
Description / Location: Green Floor Tile
B Wing Electronics Shop

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2 75	Chrysotile	None Detected	None Detected	PC 97.25

Lab No.: 2226606
Client No.: 87
Description / Location: Black Mastic
B Wing Electronics Shop
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226607 **Description / Location:** Brown Mastic
Client No.: 88 B Wing Electronics Shop

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Other	95

Lab No.: 2226608 **Description / Location:** Yellow Mastic; B Wing
Client No.: 89 Corridor Central Portion NearDoubleDoors

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226609 **Description / Location:** Grey Insulation; B Wing
Client No.: 90 Lithography SW Corner 1970 Addition

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Mineral Wool	75

Lab No.: 2226610 **Description / Location:** Grey Insulation; B Wing
Client No.: 91 Electronics Shop NW Corner Original Bldg

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Mineral Wool	75

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226611
Client No.: 92
Description / Location: Brown Mastic
B Wing South E-S Of Corridor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.25	Chrysotile	None Detected	None Detected	PC 98.75

Lab No.: 2226612
Client No.: 93
Description / Location: Black Tar
B Wing Electronics Shop Theory Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 6.5	Chrysotile	None Detected	None Detected	PC 93.5

Lab No.: 2226613
Client No.: 94
Description / Location: Black Tar
B Wing Printing Shop Classroom SW Corner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 5.75	Chrysotile	None Detected	None Detected	PC 94.25

Lab No.: 2226614
Client No.: 95
Description / Location: Brown Insulation
B Wing Carpentry Shop

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	95	Cellulose	5

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226615
Client No.: 96
Description / Location: Brown Mastic; B Wing
ClassrmAtSo.EndOfMachineShop1980Addition

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Other	95

Lab No.: 2226616
Client No.: 97
Description / Location: Grey Window Glazing
Former Ext Window Original Bldg

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226617
Client No.: 98
Description / Location: Tan Window Caulk
Former Ext Window Original Bldg

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 3.75	Chrysotile	None Detected	None Detected	PC 96.25

Lab No.: 2226618
Client No.: 99
Description / Location: Tan Mastic
Room 214 At Formerly Tiled Area

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226619
Client No.: 100
Description / Location: Brown/Tan VinylSheetFlooring/Backing
Room 214

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 2226620
Client No.: 101
Description / Location: Brown Mastic; A/W VSF
Room 214

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226621
Client No.: 102
Description / Location: Brown Mastic; A/W Ceiling Tile
Room 214

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 5	Chrysotile	5	Other	PC 93 5

Lab No.: 2226622
Client No.: 103
Description / Location: Grey/Brown VinylSheetFlooring/Backing
2nd Floor Library Under Carpet

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Cellulose	75

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope Therefore, negative PLM results cannot be guaranteed Electron Microscopy can be used as a confirming technique Regulatory Limit is based upon the sample matrix Quantification at <1% by volume is possible with this method Analysis includes all distinct separable layers in accordance with EPA 600 Method If not reported or otherwise noted. layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: T. Snyder

Date: 4/19/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 4/20/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226623
Client No.: 104
Description / Location: Grey/Brown VinylSheetFlooring/Backing
2nd Floor Library Under Carpet

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Cellulose	75

Lab No.: 2226623
Client No.: 104
Description / Location: Yellow Mastic
2nd Floor Library Under Carpet
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226624
Client No.: 105
Description / Location: White Plaster Material; A/W VSF
2nd Floor Library Under Carpet

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226625
Client No.: 106
Description / Location: Brown/Tan VinylSheetFlooring/Backing
Room 208

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Cellulose	75

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: T. Snyder

Date: 4/19/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 4/20/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226626
Client No.: 107
Description / Location: Brown/Tan Floor Tile
A Wing 2ndFloorCorridor NearWomen's Bath

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226626
Client No.: 107
Description / Location: Black Mastic
A Wing 2ndFloorCorridor NearWomen's Bath
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226626
Client No.: 107
Description / Location: Green Floor Tile
A Wing 2ndFloorCorridor NearWomen's Bath
Layer No.: 3

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 3 0	Chrysotile	None Detected	None Detected	97

Lab No.: 2226626
Client No.: 107
Description / Location: Black Mastic
A Wing 2ndFloorCorridor NearWomen's Bath
Layer No.: 4

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.5	Chrysotile	None Detected	None Detected	PC 97 5

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Performed By: T. Snyder

Date: 4/19/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 4/20/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226627
Client No.: 108
Description / Location: Brown/Tan VinylSheetFlooring/Backing
Room 212

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 2226628
Client No.: 109
Description / Location: Tan Floor Tile; 2nd Floor
Classroom Next To Women's Bathroom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226628
Client No.: 109
Description / Location: Grey Backing
Classroom Next To Women's Bathroom
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85

Lab No.: 2226629
Client No.: 110
Description / Location: Black Stone
Room 209

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: T. Snyder

Date: 4/19/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 4/20/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226630
Client No.: 111
Description / Location: White Coating
2x4 Ceiling Tile 2nd Floor D-Wing

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2226631
Client No.: 112
Description / Location: Black Tar
Computer TechnologyRm 2nd Floor D-Wing

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
20	Chrysotile	None Detected	None Detected	80

Lab No.: 2226632
Client No.: 113
Description / Location: Tan Floor Tile; 12"
Computer TechnologyRm 2nd Floor D-Wing

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.0	Chrysotile	None Detected	None Detected	98

Lab No.: 2226632
Client No.: 113
Description / Location: Black Mastic
Computer TechnologyRm 2nd Floor D-Wing
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.25	Chrysotile	None Detected	None Detected	PC 98.75

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: T. Snyder

Date: 4/19/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 4/20/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2226633
Client No.: 114

Description / Location: Sample Not Analyzed

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: T. Snyder

Date: 4/19/2005

IATL International Asbestos Testing Laboratories
16000 Horizon Way Unit 100 Mt. Laurel, NJ 0805
Telephone: 609.231.9449 Fax: 609.231 981

- Chain of Custody -

Client: Delta Environmental Services
P.O. Box 564
Branford, CT 06405

Phone: (203) 481-7668
FAX: (203) 488-8164

Project Name: Eli Whitney THS
Project No.: Hamden, CT
003-170-13

Contact: Jim McCarthy
Pager:

Special Instructions:

Type:

Asbestos		Lead		Other
[ ] Air	[ ] Soil	[ ] Air	[ ] Soil	
[✓] Bulk	[ ] Dust	[ ] Bulk	[ ] Paint	
[ ] Water	[ ] Other	[ ] Water	[ ] Other	

Analysis Method:

[ ] PCM : NIOSH 7400
[ ] PCM : OSHA
[ ] PCM : Other_____

[ ] AAS : NIOSH 7082 (Air)
[ ] AAS : Lead in Drinking Water
[ ] AAS : Lead in Paint ASTM D3335-85a
[ ] AAS : Lead Dust/Wipe
[ ] AAS : Other Metals / Soil_____

[✓] PLM : Bulk Asbestos EPA 600
[ ] PLM : Point Counting 198.1
[ ] PLM : NOB via 198.1 (PLM only)
[ ] If <1% by PLM, to TEM via 198.4 to meet NYSDOH requirements **
(**call to confirm TAT!)

[ ] TEM : AHERA
[ ] TEM : NIOSH 7402
[ ] TEM : EPA Level II
[ ] TEM : Microvac Dust
[ ] TEM : Asbestos in Water
[ ] TEM : Bulk Analysis
[ ] TEM : NOB 198.4
[ ] TEM : Other_____
[ ] Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ (date / time) Verbals: _____ (date / time)

[ ] 10 Day [ ] 5 Day [ ] 72 hour [✓] 48 hour [ ] 24 hour [ ] 6 hour [ ] RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 58 (start) - 114 (end)

IATL#(s): _____ (start) - _____ (end) Total: ___

RECEIVED APR 11 2005

Chain of Custody:

Relinquished:	James McCarthy	Date: 4/8/05 Time: 2:30 pm
Received:		Date: Time:
Sample Log-in:		Date: Time:
Sample Prep:		Date: Time:
Analyzed:		Date: 4/19/05 Time:
QA/QC Review:	CPA 4/29/05	Date: Time:

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR AND CHECK NUMBER 1	2	3	4
58	Red Floor Material				2226577		Asbestos PLM EPA 600 90% stop PLEASE ANALYZE RED LAYER ONLY	C-Wing-Boys' Locker Room				
59	" "				2226578			Gym NW Corner Storage Room				
60	" "				2226579			B-Wing Maintenance Room				
61	Ceiling Plaster Top Coat				2226580			Gym NW Corner Storage Room				
62	Ceiling Plaster Brown Coat				~~2226581~~ 2226582							
63	Pipe Fitting Insulation				2226583			C-Wing Food Storage Room				
64	Red 9" Floor Tile				2226584			Storage Room Next to Women's Bathroom & Opposite Gym				
65	Red Floor Material				2226585			C-Wing Food Storage Room				
66	Gray 9" Floor Tile							C-Wing Storage Closet at End of Cafeteria Corridor				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
[signature]	Delta	4/7/05	5:00 PM

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		[signature]			
2					
3					
4					

ADDITIONAL COMMENTS:

CP 4/29/05

124F

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
67	Tan 12" Floor Tile w/ Brown & White Streaks				2226586		Asbestos PLM EPA 600	Boys' Locker Room				
68	Dark Green 9" Floor Tile w/ Yellow, White Streaks				2226587			C-Wing - Faculty Dining Room Kitchen				
69	Window Glazing (Grey)				2226588			B-Wing Carpentry Shop				
70	Window Glazing (Off-White)				2226589			A-Wing Classroom 210				
71	1x1 Pinhole Pattern Ceiling Tile				2226590			B-Wing Corridor Central Portion Near Double Doors				
72	1x1 Pinhole Pattern Ceiling Tile w/ Blue Daub				2226591			w/ Dark Brown Blue Daub				
73	1x1 Pinhole Pattern Ceiling Tile w/ Light Tan Blue Daub				2226592			w/ Lt Tan Blue Daub				
74	Pipe Fitting on Roof Drain				2226593			Plumbing Shop Theory Room				
75	Pipe Insulation on Roof Drain				2226594							

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
Jane M Melatti	Delta			1		Jane M Melatti			
				2					
				3					
				4					

ADDITIONAL COMMENTS:

024F

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
76	Window Glazing (Gray)				2226595		Asbestos RCM EPA 600	Plumbing Shop Classroom in NW Corner Loft				
77	Red Flooring Material				2226596			B-Wing Electrical Shop Men's Locker Orig. Bldg. Room				
78	Red Flooring Material				2226597			Printing Shop B-Wing - West Side 1972 Addition				
79	↓				2226598			B-Wing Electrical Shop Theory Room Original Building				
80	↓				2226599			B-Wing Corridor Near South Exit				
81	Tan 12" Floor Tile w/ Grey, Brown, White Streaks				2226600			B-Wing Machine Shop Classroom - 1980 Addition				
82	Light Brown 12" Floor Tile				2226601			B-Wing Plumbing Shop SE Corner Loft				
83	Adhesive from behind chalkboard				2226602			B-Wing Electrical Shop Theory Room				
84	Red Flooring Material				2226603			B-Wing Printing Shop Locker Room Original Bldg.				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
Jane M McCarthy	Delta		

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		Jane M McCarthy			
2					
3					

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

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85	Window Glazing				2266604		Asbestos PLM EPA 600	B-Wing Plumbing Shop SE Corner Loft				
86	Adhesive from Chalkboard				2266605			B-Wing Electronics Shop Theory Room				
87	Dark Green 9" Floor Tile w/ white, black streaks				2266606			B-Wing Electronics Shop				
88	Baseboard Molding Adhesive				2266607			↓				
89	Light Tan Glue Daub				2266608			B-Wing Corridor Central Portion Near Double Doors				
90	Pipe Fitting				2266609			B-Wing Lithography SW Corner 1970 Addition				
91	↓				2266610			B-Wing Electronics Shop NW Corner Original Building				
92	Dark Brown Glue Daub				2266611			B-Wing South End of Corridor from 1X1 Pinhole Ceiling Tile				
93	Adhesive from behind chalkboard				2266612		↓ Log: Stop w/ 86	B-Wing Electronics Shop Theory Room				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
[signature]	Delta		

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		[signature]			
2					
3					
4					

024F

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; O = Outfall; S = Soil; X = Other; Specify; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
94	" "				2226613		Asbestos PLM EPA 600 Pos. Stat W/ 93	B-Wing Printing Shop Classroom SW Corner				
95	Window Caulk				2226614							
96	Baseboard Molding Adhesive				2226615			B-Wing Carpentry Shop				
97	Window Glazing				2226616			B-Wing Classroom at South End of Machine Shop - 1980 Addition				
98	Window Caulk				2226617			" " Former Ext Window Orig Bldg.				
99	Light Brown Mastic				2226618							
100	Brown Sheet Flooring over Woven Fabric				2226619			Room 214 - at formerly tiled area				
101	Dark Brown Mastic				2226620			Room 214				
102	Glue Daub from 1x1 Pinhole Ceiling Tile				2226621			under sample 100				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
Jim R McCarthy	Delta		

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		Jim R McCarthy			
2					
3					
4					

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; O = Outfall; S = Soil; X = Other; Specify; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
103	Green Sheet Flooring over woven fabric				2226622		Asbestos PLM EPA 600 Pos. Stop	2nd Floor - Library under Carpet				
104	↓				2226623		↓	↓				
105	Cevelastic w/ Brown Mastic				2226624			2nd Floor Library under Sample 104				
106	Brown Sheet Flooring over woven fabric				2226625		Pos. Stop w/ # 100	Room 208				
107	Tan 12" Floor Tile w/ brown, white over Green 9" Tile				2226626			A-Wing - 2nd Floor Corridor Near Women's Bath				
108	Brown Sheet Flooring over woven fabric				2226627		Pos. Stop w/ # 100	Room 212				
109	Tan 12" Floor Tile w/ white streaks				2226628			2nd Floor Classroom Next to Women's Bathroom				
110	Fume Hood material				2226629			Room 209				
111	Paper Coating on Metal				2226630		↓	2x4 Ceiling Tile 2nd Floor D-Wing				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
[signature]	Delta		

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		[signature]			
2					
3					
4					

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; O = Outfall; S = Soil; X = Other; Specify; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
112	Sink Rim Sealant				2226631		Asbestos PLM EPA 600	Computer Technology Room - 2nd Floor D-Wing				
113	White 12" Floor Tile w/ Green Streaks				2226632							
114					2226633		Pol. Str.					

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
Jane M Melatto	Delta		

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		Jane M Melatto			
2					
3					
4					

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 4/22/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2234157
Client No.: 115
Description / Location: Green Flooring
1st Floor West Landing

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	None Detected	None Detected	100

Lab No.: 2234158
Client No.: 118
Description / Location: Grey Insulation; Pipe Fitting
D-Wing; North Custodian Closet

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 6.8	Chrysotile	30	Mineral Wool	PC 63.2

Lab No.: 2234159
Client No.: 119
Description / Location: Black Non Fibrous
A-Wing; 1st Floor West Landing

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2234160
Client No.: 120
Description / Location: Brown Baseboard Molding Mastic
C-Wing Corridor; 10' North Of 1974 S Ent

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted. layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: J. Haremza

Approved By:

Date: 4/22/2005

Frank E. Ehrenfeld, III
Laboratory Director

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 4/22/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2234161
Client No.: 121
Description / Location: Brown Baseboard Molding Mastic
C-WingCorridor;NearAutoBodyOfc1970Add

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2234162
Client No.: 122
Description / Location: Tan/White Ceiling Tile; 2x2
C-Wing; Corridor 1974 Addition

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	50	Mineral Wool	30
		20	Cellulose	

Lab No.: 2234163
Client No.: 123
Description / Location: Tan/White Ceiling Tile; 2x2
C-WingCorridorToWomen'sLockersOrigBldg

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	50	Mineral Wool	30
		20	Cellulose	

Lab No.: 2234164
Client No.: 124
Description / Location: Tan/White Ceiling Tile; 2x2
C-Wing Corridor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Mineral Wool	35
		55	Cellulose	

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope Therefore, negative PLM results cannot be guaranteed Electron Microscopy can be used as a confirming technique Regulatory Limit is based upon the sample matrix Quantification at <1% by volume is possible with this method Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: J. Haremza

Date: 4/22/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 4/22/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2234165
Client No.: 131
Description / Location: Brown Baseboard Molding Mastic
1980AdditionAtE.SideOfDiningRoom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2234166
Client No.: 132
Description / Location: Yellow Baseboard Molding Mastic
C-Wing Corridor Opposite Elevator

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2234167
Client No.: 140
Description / Location: Dk Tan Window Frame Caulk
C-WingRepairShoeTheoryRm;S.SideNearExit

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 6.2	Chrysotile	None Detected	None Detected	PC 93.8

Lab No.: 2234168
Client No.: 141
Description / Location: Grey Window Frame Caulk
C-Wing Welding Shop NWCorner Window

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.75	Chrysotile	None Detected	None Detected	PC 99.25

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted. layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: J. Haremza

Date: 4/22/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 4/22/2005
Project: Eli Whitney THS
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2234169
Client No.: 142
Description / Location: Grey Window Frame Caulk
C-Wing Welding Shop SW Corner Window

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Lab No.: 2234170
Client No.: 143
Description / Location: Grey/Red Cementitious
C-Wing Corridor To Women's Lockers

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: J. Haremza

Date: 4/22/2005

IATL International Asbestos Testing Laboratories
16000 Horizon Way Unit 100 Mt. Laurel, NJ 0805
Telephone: 609.231.9449 Fax: 609.231.981

- Chain of Custody -

Client: Delta Environmental Services
P.O. Box 564
Branford, CT 06405

Project Name: Eli Whitney THS
Project No.: Hamden, CT
D03-170-13

Phone: (203) 481-7668
FAX: (203) 488-8164

Contact: Jim McCarthy
Pager:

Special Instructions:

Type:

Asbestos		Lead		Other
[ ] Air	[ ] Soil	[ ] Air	[ ] Soil	
[✓] Bulk	[ ] Dust	[ ] Bulk	[ ] Paint	
[ ] Water	[ ] Other	[ ] Water	[ ] Other	

Analysis Method:

[ ] PCM : NIOSH 7400	[✓] PLM : Bulk Asbestos EPA 600	[ ] TEM : AHERA
[ ] PCM : OSHA	[ ] PLM : Point Counting 198.1	[ ] TEM : NIOSH 7402
[ ] PCM : Other_____	[ ] PLM : NOB via 198.1 (PLM only)	[ ] TEM : EPA Level II
	[ ] If <1% by PLM, to TEM via 198.4	[ ] TEM : Microvac Dust
[ ] AAS : NIOSH 7082 (Air)	to meet NYSDOH requirements **	[ ] TEM : Asbestos in Water
[ ] AAS : Lead in Drinking Water	(**call to confirm TAT!)	[ ] TEM : Bulk Analysis
[ ] AAS : Lead in Paint ASTM D3335-85a		[ ] TEM : NOB 198.4
[ ] AAS : Lead Dust/Wipe		[ ] TEM : Other_____
[ ] AAS : Other Metals / Soil_____		[ ] Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ (date / time) Verbals: _____ (date / time)

[ ] 10 Day [ ] 5 Day [✓] 72 hour [ ] 48 hour [ ] 24 hour [ ] 6 hour [ ] RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 115, 118 - 124, 131 - 132, 140 - 143 (start / end)

IATL#(s): APR -15 (start / end) Total: ___

Chain of Custody:

Relinquished:	James A. McCarthy	Date: 4/12/05	Time: 3:00 pm
Received:		Date:	Time:
Sample Log-in:		Date:	Time:
Sample Prep:		Date:	Time:
Analyzed:	4/12/05	Date:	Time:
QA/QC Review:	CP 5/2/05	Date:	Time:

Archived/Released:_____ QA/QC InterLAB Use:_____ Date:_____ Time:_____

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
115	Green Terrazzo Flooring	2234157					Asbestos PLM EPA 600	1st Floor West Landing				
116	~~Green 12" Floor Tile-Terrazzo~~							~~C-Wing 1st Floor NW Landing~~				
117	~~Green Floor Tile-Smooth Finish~~											
118	Pipe Fitting Insulation	2234158						D-Wing North Custodian Closet				
119	Textured Strip	2234159						A-Wing 1st Floor West Landing				
120	Baseboard Molding Adhesive	2234160					PLEASE ANALYZE ADHESIVE ONLY	C-Wing Corridor 10' North of 1974 South Entrance-Addition				
121		2234161						C-Wing Corridor Near Auto Body Office 1970 Addition				
122	2'x2' Suspended Ceiling Tile-Rough Texture-Pinhole Pattern	2234162						C-Wing Corridor 1974 Addition				
123		2234163						C-Wing Corridor to Women's Lockers Original Building				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
James McLaughlin	Delta		

ADDITIONAL COMMENTS:

PLEASE DISREGARD SAMPLES CROSSED OUT

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		James McL			
2					
3					
4					

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
124	2'x2' Suspended Ceiling Tile - Smooth Texture	2234164					Asbestos PLM EPA 600	C-Wing Corridor				
~~125~~	~~Light Brown 12" Floor Tile w/ White Streaks~~											
~~126~~								~~C-Wing 1974 Addition Corridor Near North Entrance Bluegrass Room~~				
								~~C-Wing 1974 Addition Corridor North Exterior Door~~				
~~128~~	~~White 12" Floor Tile w/ Green Streaks~~							~~C-Wing 1974 Addition Corridor Near South Entrance~~				
~~124~~								~~1980 Addition at East Side of Dining Room~~				
131	Baseboard Molding Adhesive	2234165										
132		2234166					PLEASE ANALYZE ADHESIVE ONLY					
								C-Wing Corridor Opposite Elevator				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
June M McLatty	Delta		

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		June M			
2					
3					
4					

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; O = Outfall; S = Soil; X = Other; Specify; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
133	Tan 12" Floor Tile w/ Brown, White Streaks						Asbestos PLM EPA 600	C-Wing Corridor South of Cafeteria 2 West of East Entrance				
134	Tan 12" Floor Tile w/ Brown/White Streaks over Brown Flooring							C-Wing Corridor West of Cafeteria - Overall Food Storage Room				
135	Black Cementitious Flooring Underneath Sample 134											
136	Tan Floor Tile w/ Brown/White Streaks							C-Wing Corridor West of Cafeteria - Near So. Faculty Dining Entrance				
137	Black Cementitious Flooring Underneath Sample 136											
138	Yellow Mastic Black Cementitious Floor							C-Wing Corridor - West of Cafeteria - Near North Fac. Dining Entrance				
139	Black Cementitious Flooring							C-Wing Corridor 170 Addition Near Auto Bolt				
140	Window Frame Caulk-Hard	2234167						C-Wing Repair Shop Theory Room - South Side Near Exit Door				
141	Window Frame Caulk-Pliable	2234168						C-Wing Welding Shop NW Corner Window				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
James Malatt	Delta		

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		James Malatt			
2					
3					
4					

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; O = Outfall; SG = Sludge; S = Soil; X = Other; Specify; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR AND CHECK NUMBER 1	2	3	4
142	Window Frame Caulk-Putty	22	4	69			Asbestos PLM EPA 600	C-Wing Welding Shop SW Corner Window				
143	Red Cementitious Flooring	22	4	70			Pol. Stat. w/ 141	C-Wing Corridor to Women's Lockers				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
June R McLatty	Delta		

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		June R McL			
2					
3					
4					

ChemScope INDUSTRIAL HYGIENE • ENVIRONMENTAL CHEMISTRY
P.O. BOX 389 FAIR HAVEN STATION, NEW HAVEN, CT 06513-0389
15 Moulthrop Street., North Haven, CT 06473-3686 • Phone (203) 865-5605 • Fax (203) 498-1610

Certificate Of Analysis

Delta Environmental Services, Inc.
PO Box 564
81 Schoolground Road
Branford CT 06405

4/14/05
CS# 160-237

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/13/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	Findings (Analyzed 4/14/05)
160-237-1 Green 12x12 textured finish floor tile (on black mastic, 116) / D-Wing - 1st Floor NW Landing	*<1% Chrysotile Asbestos* *76% Non- Fibrous Particles* *24% Volatile on Ignition*
160-237-2 Black mastic (from sample #1, 116) / D-Wing - 1st Floor NW Landing	*<1% Chrysotile Asbestos* *50% Non- Fibrous Particles* *50% Volatile on Ignition*
160-237-3 Green 12x12 smooth finish floor tile (on black mastic, 117) / D-Wing - 1st Floor NW Landing	*<1% Chrysotile Asbestos* *74% Non- Fibrous Particles* *26% Volatile on Ignition*
160-237-4 Black mastic (from sample #3, 117) / D-Wing - 1st Floor NW Landing	*<1% Chrysotile Asbestos* *40% Non- Fibrous Particles* *60% Volatile on Ignition*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/13/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings (Analyzed 4/14/05)**
160-237-5 Light brown/orange 12x12 floor tile with dark brown and white streaks (on black mastic, 125) / C-Wing - 1974 Addition corridor near North end of Blue print room	*Not Analyzed*
160-237-6 Black mastic (from sample #5, 125) / C-Wing - 1974 Addition corridor near North end of Blue print room	*15% Chrysotile Asbestos* *27% Non- Fibrous Particles* *58% Volatile on Ignition*
160-237-7 Light brown/orange 12x12 floor tile with dark brown and white streaks (on black mastic, 126) / C-Wing - 1970 Addition Corriidor Near South Entrance	*Not Analyzed*
160-237-8 Black mastic (from sample #7, 126) / C-Wing - 1970 Addition Corriidor Near South Entrance	*Not Analyzed*
160-237-9 Light brown/orange 12x12 floor tile with dark brown and white streaks (on black mastic, 127) / C-Wing - 1974 Addition East Side of Dining Room	*Not Analyzed*
160-237-10 Black mastic (from sample #9, 127) / C-Wing - 1974 Addition East Side of Dining Room	*Not Analyzed*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/13/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings (Analyzed 4/14/05)**
160-237-11 White 12x12 floor tile with green streaks (on black mastic, 128) / 1980 Addition at East Side of Dining Room	*Not Analyzed*
160-237-12 Black mastic (from sample #11, 128) / 1980 Addition at East Side of Dining Room	*14% Chrysotile Asbestos* *25% Non- Fibrous Particles* *61% Volatile on Ignition*
160-237-13 White 12x12 floor tile with green streaks (on black mastic, 129) / 1980 Addition at East Side of Dining Room	*Not Analyzed*
160-237-14 Black mastic (from sample #13, 129) / 1980 Addition at East Side of Dining Room	*Not Analyzed*
160-237-15 White 12x12 floor tile with green streaks (on black mastic, 130) / 1980 Addition at East Side of Dining Room	*Not Analyzed*
160-237-16 Black mastic (from sample #15, 130) / 1980 Addition at East Side of Dining Room	*Not Analyzed*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/13/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings (Analyzed 4/14/05)**
160-237-17 Tan 12x12 floor tile with brown and white streaks (on yellow mastic with red leveling compound, 133) / C-Wing - Corridor South of Cafeteria - 20' West of East Entrance	*Not Analyzed*
160-237-18 Yellow mastic with red leveling compound (from sample #17, 133) / C-Wing - Corridor South of Cafeteria - 20' West of East Entrance	*14% Chrysotile Asbestos* *58% Non- Fibrous Particles* *28% Volatile on Ignition*
160-237-19 Tan 12x12 floor tile with brown and white streaks (over black cementitious flooring, 134) / C-Wing - Corridor West of Cafeteria opposite Food Storage Room	*Not Analyzed*
160-237-20 Black cementitious flooring (from sample #19, 135) / C-Wing - Corridor West of Cafeteria opposite Food Storage Room	*23% Chrysotile Asbestos* *44% Non- Fibrous Particles* *33% Volatile on Ignition*
160-237-21 Tan 12x12 floor tile with brown and white streaks (over black cementitious flooring, 136) / C-Wing - Corridor West of Cafeteria - Near South Entrance to Faculty Dining	*Not Analyzed*
160-237-22 Black cementitious flooring (from sample #21, 137) / C-Wing - Corridor West of Cafeteria - Near South Entrance to Faculty Dining	*Not Analyzed*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/13/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings (Analyzed 4/14/05)**
160-237-23 Yellow mastic with thin gray hard mortar layer and black cementitious flooring (138) / C-Wing - Corridor West of Cafeteria - Near North Entrance to Faculty Dining	*Not Analyzed*
160-237-24 Black cementitious flooring (on gray hard concrete, 139) / C-Wing - Corridor - 1970 Addition Near Auto Body	*Not Analyzed*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/13/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification **Findings (Analyzed 4/14/05)**

Accreditation by the National Institute of Standards and Technology (NIST) # 101061-0
Accreditation by the American Industrial Hygiene Assocation (AIHA) #100134
Connecticut Department of Public Health (DPH) Approved Environmental Lab PH 0581
Accreditation Program (NVLAP) does not imply endorsement by NVLAP, NIST, or any Federal Agency.
This report pertains only to the samples tested and may not be reproduced in part.
The scope of Accreditation referenced in this report pertains to bulk asbestos analysis by PLM.
See test parameters on reverse side of this report and attached chain of custody form.

Signature (if applicable)	Signature (if applicable)	*Authorized Signature:* or	*Authorized Signature:* or	*Authorized Signature:*
Analyst	Inspector	*Ronald D. Arena*	*Suzanne Cristante*	*Jesse Whittemore*
		Director	*QA Coordinator*	*Laboratory Supervisor*

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: CSH 160-237 D03-170-13

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED		COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
116	Green 12" Floor Tile - Textured Finish						Asbestos PCM ERA 600	Pos. Stop on Mastic	D-Wing 1st Floor NW Landing				
117	Green - 12" Floor Tile - Smooth Finish												
125	Light Brown 12" Floor Tile w/ Dk. Brown/white streaks												
126								Pos. Stop	C-Wing 1974 Addition Corridor Near North End of Bluebird Room				
127									C-Wing 1970 Addition Corridor Near Exterior Double Doors				
128	White 12" Floor Tile w/ Green streaks								C-Wing 1974 Addition Corridor Near South Entrance				
129								Pos. Stop	1980 Addition at East side of Dining Room				
130													
133	Tan 12" Floor Tile w/ Brown, White streaks								C-Wing Corridor South of Cafeteria ~20' West of East Entrance				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
Jun n Mcluth	Delta	4/11/05	5:00 pm

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		Jun n M	[illegible]	4/13/05	9:20am
2					
3					

ADDITIONAL COMMENTS: Please do by Friday if possible

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

CS# 160-237

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
134	Tan 12" Floor Tile w/ Brown/white Streak over Black Cementitious	Flooring					Asbestos PLM EPA 600	C-Wing Corridor West of Cafeteria Outside Food Storage Room				
135	Black Cementitious Flooring under Sample 134											
136	Tan 12" Floor Tile w/ Brown/white Streaks							C-Wing Corridor West of Cafeteria - Near South Entrance to Faculty Dining				
137	Black Cementitious Flooring Beneath Sample 136											
138	Yellow Mastic/ Black Cementitious Flooring							C-Wing Corridor West of Cafeteria - Near North Entrance to Faculty Dining				
139	Black Cementitious Flooring							C-Wing Corridor 1970 Addition Near Auto Body				

Stop

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
Jane M Melatto	Delta	4/11/05	5:00 PM

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1		Jane M Melatto	Phoenix	4/15/05	9:20am
2					
3					

ChemScope INDUSTRIAL HYGIENE • ENVIRONMENTAL CHEMISTRY
P.O. BOX 389 FAIR HAVEN STATION, NEW HAVEN, CT 06513-0389
15 Moulthrop Street, North Haven, CT 06473-3686 • Phone (203) 865-5605 • Fax (203) 498-1610

Certificate Of Analysis

Delta Environmental Services, Inc
PO Box 564
81 Schoolground Road
Branford CT 06405

4/15/05
CS# 160-237

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/13/05

Asbestos Identification in the samples Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	Findings (Analyzed 4/15/05)
160-237-23 Yellow mastic with thin gray hard mortar layer and black cementitious flooring (138) / C-Wing - Corridor West of Cafeteria - Near North Entrance to Faculty Dining	*14% Chrysotile Asbestos* *58% Non- Fibrous Particles* *28% Volatile on Ignition*
160-237-24 Black cementitious flooring (on gray hard concrete, 139) / C-Wing - Corridor - 1970 Addition Near Auto Body	*No Asbestos Detected* *93% Non- Fibrous Particles* *7% Volatile on Ignition*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/13/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification **Findings (Analyzed 4/15/05)**

Accreditation by the National Institute of Standards and Technology (NIST) # 101061-0
Accreditation by the American Industrial Hygiene Assocation (AIHA) #100134
Connecticut Department of Public Health (DPH) Approved Environmental Lab PH 0581
Accreditation Program (NVLAP) does not imply endorsement by NVLAP, NIST, or any Federal Agency.
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The scope of Accreditation referenced in this report pertains to bulk asbestos analysis by PLM.
See test parameters on reverse side of this report and attached chain of custody form.

Signature (if applicable)	**Signature (if applicable)**	***Authorized Signature:*** or	***Authorized Signature:*** or	***Authorized Signature:***
Analyst	**Inspector**	*Ronald D. Arena* *Director*	*Suzanne Cristante* *QA Coordinator*	*Jesse Whittemore* *Laboratory Supervisor*

NVLAP ACCREDITED LAB# 101061-0 AIHA ACCREDITED LAB # 100134

ChemScope INDUSTRIAL HYGIENE • ENVIRONMENTAL CHEMISTRY
P.O. BOX 389 FAIR HAVEN STATION, NEW HAVEN, CT 06513-0389
15 Moulthrop Street., North Haven, CT 06473-3686 • Phone (203) 865-5605 • Fax (203) 498-1610

Certificate Of Analysis

RECEIVED
APR 27 2005

Delta Environmental Services, Inc
PO Box 564
81 Schoolground Road
Branford CT 06405

4/25/05
CS# 160-287

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/21/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	Findings (Analyzed 4/25/05)
160-287-1 Yellow mastic (from under tan hard 12x12 floor tile with brown streaks, 144) / 1980 Addition-at no end -C-wing Corridor (tile not tested as per customer request)	*No Asbestos Detected* *18% Non- Fibrous Particles* *82% Volatile on Ignition*
160-287-2 Gray hard 12x12 floor tile with white streaks (on black mastic, 145) / D-wing Second Floor Corridor	*Not Analyzed*
160-287-3 Black mastic (from under sample #2) / D-wing Second Floor Corridor	*1-2% Chrysotile Asbestos* *44% Non- Fibrous Particles* *54% Volatile on Ignition*
160-287-4 Gray hard 12x12 floor tile with white streaks (on black mastic, 146) / D-wing Second Floor Corridor	*Not Analyzed*

NVLAP ACCREDITED LAB# 101061-0 AIHA ACCREDITED LAB # 100134

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/21/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings (Analyzed 4/25/05)**
160-287-5 Black mastic (from under sample #4) / D-wing Second Floor Corridor	*18% Chrysotile Asbestos* *34% Non- Fibrous Particles* *48% Volatile on Ignition*
160-287-6 Gray hard 12x12 floor tile with white streaks (on black mastic, 147) / D-wing Second Floor Corridor	*Not Analyzed*
160-287-7 Black mastic (from under sample #6) / D-wing Second Floor Corridor	*Not Analyzed*
160-287-8 Black hard floor tile (on black mastic, 148) / Border- North East Corner Main Dining Room	*9% Chrysotile Asbestos* *60% Non- Fibrous Particles* *31% Volatile on Ignition*
160-287-9 Black mastic (from under sample #8) / Border- North East Corner Main Dining Room	*<1% Chrysotile Asbestos* *52% Non- Fibrous Particles* *48% Volatile on Ignition*
160-287-10 Black hard floor tile (on black mastic, 149) / Border- North East Corner Main Dining Room	*Not Analyzed*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/21/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings (Analyzed 4/25/05)**
160-287-11 Black mastic (from under sample #10) / Border- North East Corner Main Dining Room	*<1% Chrysotile Asbestos* *26% Non- Fibrous Particles* *74% Volatile on Ignition*
160-287-12 Black hard floor tile (on black mastic, 150) / Border- East Central Portion Main Dining Room	*Not Analyzed*
160-287-13 Black mastic (from under sample #12) / Border- East Central Portion Main Dining Room	*<1% Chrysotile Asbestos* *43% Non- Fibrous Particles* *57% Volatile on Ignition*
160-287-14 Light tan hard 12x12 floor tile (on orange mastic on red cementitious flooring, 151) / Near Northwest Entrance Main Dining Room	*Not Analyzed*
160-287-15 Orange mastic on red cementitious flooring (from under sample #14) / Near Northwest Entrance Main Dining Room	*11% Chrysotile Asbestos* *59% Non- Fibrous Particles* *30% Volatile on Ignition*
160-287-16 Light tan hard 12x12 floor tile (on orange mastic on red cementitious flooring, 152) / C-Wing Corridor South of Main Dining Room	*Not Analyzed*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/21/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings (Analyzed 4/25/05)**
160-287-17 Orange mastic on red cementitious flooring (from under sample #16) / C-Wing Corridor South of Main Dining Room	*Not Analyzed*
160-287-18 Light tan hard 12x12 floor tile (on orange mastic on black cementitious flooring, 153) / Near Northwest Entrance Main Dining Room	*Not Analyzed*
160-287-19 Orange mastic on black cementitious flooring (from under sample #18) / Near Northwest Entrance Main Dining Room	*20% Chrysotile Asbestos* *47% Non- Fibrous Particles* *33% Volatile on Ignition*
160-287-20 Red cementitious flooring (154) / C-Wing Near Northwest Corner of Gym	*No Asbestos Detected* *94% Non- Fibrous Particles* *6% Volatile on Ignition*
160-287-21 Red cementitious flooring (155) / C-Wing Corridor-Near Double Doors to Men's Locker Room	*No Asbestos Detected* *96% Non- Fibrous Particles* *4% Volatile on Ignition*
160-287-22 Red cementitious flooring (156) / Vestibule Near Exterior Exit at Southeast Corner- A-Wing	*No Asbestos Detected* *94% Non- Fibrous Particles* *6% Volatile on Ignition*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/21/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings (Analyzed 4/25/05)**
160-287-23 Red cementitious flooring (157) / C-Wing Welding Shop 1974 Addition	*No Asbestos Detected* *95% Non- Fibrous Particles* *5% Volatile on Ignition*
160-287-24 Light tan hard 12x12 floor tile (on black mastic, 158) / C-Wing Corridor to Cafeteria - Lower Layer	*Not Analyzed*
160-287-25 Black mastic (from under sample #24) / C-Wing Corridor to Cafeteria - Lower Layer	*21% Chrysotile Asbestos* *32% Non- Fibrous Particles* *47% Volatile on Ignition*
160-287-26 Brown textured 12x12 floor tile (on orange mastic, 159) / C-Wing Corridor to Cafeteria - Top Layer	*Not Analyzed*
160-287-27 Orange mastic (from under sample #26) / C-Wing Corridor to Cafeteria - Top Layer	*Not Analyzed*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 4/21/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification **Findings (Analyzed 4/25/05)**

Accreditation by the National Institute of Standards and Technology (NIST) # 101061-0
Accreditation by the American Industrial Hygiene Assocation (AIHA) #100134
Connecticut Department of Public Health (DPH) Approved Environmental Lab PH 0581
Accreditation Program (NVLAP) does not imply endorsement by NVLAP, NIST, or any Federal Agency.
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See test parameters on reverse side of this report and attached chain of custody form.

Signature (if applicable)	**Signature (if applicable)**	***Authorized Signature:*** or	***Authorized Signature:*** or	***Authorized Signature:***
Analyst	**Inspector**	***Ronald D. Arena*** ***Director***	***Suzanne Cristante*** ***QA Coordinator***	***Jesse Whittemore*** ***Laboratory Supervisor***

NVLAP ACCREDITED LAB# 101061-0 AIHA ACCREDITED LAB # 100134

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405
(203) 481-7668

160-207

sc Carey Jim 4/21/05 1:30pm - mastic only on all file or just this one test are the tiles 3:45 pm SC

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; SG = Sludge; X = Other; Specify; O = Outfall; S = Soil; WO = Waste Oil; R = River/Stream; RO = Run Off; LF = Landfill; B = Bottom Sediment; WW = Wastewater; SW = Sewage; L = Lake/Ocean

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED		COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
144	Tan 12" Floor Tile w/ white brown streaks						Asbestos PLM EPA 600	1 PLEASE ANALYZE MASTIC ONLY	1980 addition @ No. End C-Wing Corridor				
145	Tan 12" Floor Tile w/ white streaks							2+3 Pos. Stop	D-Wing 2nd Floor Corridor				
146	↓							4+5	↓				
147	↓							6+7	↓				
148	Black Tile Border - Main Dining Room							8+9 Pos. Stop	NE Corner - Main Dining Room				
149	↓							10-11	↓				
150	↓							12+13	↓				
151	Tan 12" Floor Tile w/ wh/brown over Red Cementitious Floor							14+15 Pos. Stop	Near NW Entrance Main Dining Room				
152	↓							16+17	↓				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle
Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
Jane M Melatti	Delta	4/20/05	5:00 PM

ADDITIONAL COMMENTS: NOTE: PLEASE DO AT LEAST 144-153 BY MONDAY 4/25 PM.

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	144-152	Jane M Melatti	G Edmonds	4/21/05	2:52pm
2					
3					

160-257

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405

(203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well; O = Outfall; WO = Waste Oil; RO = Run Off; B = Bottom Sediment; SW = Sewage; SG = Sludge; S = Soil; R = River/Stream; LF = Landfill; WW = Wastewater; L = Lake/Ocean; X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
153	Tan 12" Floor Tile w/ mortar over Black Cementitious	Floor					Asbestos PLM EPA 600 18+19	Near NW Entrance Main Dining Room				
154	Red Cementitious Flooring						20 Pos. stop	C-Wing Near NW Corner of Gym				
155	↓						21 ↓	C-Wing Corridor - Near Double Doors & Men's Locker Room				
156	↓						22	Vestibule Near Exterior Exit at SE Corner A-Wing				
157	Red Cementitious Flooring						23	C-Wing Welding Shop 1974 Addition				
158	Tan 12" Tile on Mastic						24,25,26 Pos. stop	C-Wing Corridor to Cafeteria - (Lower Layer)				
159	Brown Textured 12" Tile						26+27 ↓	↓ (Top Layer)				

Container Codes: P = Plastic; E = EPA VIAL; G = Glass; A = Amber Glass; B = Bacteria Bottle

Preservative Codes: I = Iced; F = Filtered; N = Nitric Acid (HNO_3); H = Hydrochloric Acid (HCl); S= Sodium Hydroxide (NaOH); T = Sodium Thiosulfate; F = Sulfuric Acid; O = Other; Specify

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
June M Melanthy	Delta	4/20/05	5:00 pm	1	153-154	June M	G. Edmonds	4-21-05	12:50pm
				2					
				3					

ADDITIONAL COMMENTS:

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

RECEIVED JUL 25 2005

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 7/7/2005
Project: Eli Whitney THS, 6/29/05
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2306342
Client No.: 160
Description / Location: Grey Caulk; Interior Window Frame
2ndFloor; D-Wing; Women's Bathroom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2306343
Client No.: 161
Description / Location: White Caulk; Interior Window Frame
2ndFloor; D-Wing; Corridor N.End W.Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2306344
Client No.: 162
Description / Location: White Caulk; Interior Window Frame
2ndFloor; D-Wing; Corridor S End E Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any agency of the U.S. government
This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed Method not performed unless stated Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope Therefore, negative PLM results cannot be guaranteed Electron Microscopy can be used as a confirming technique Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: V. Smith

Approved By:

Frank E. Ehrenfeld, III
Laboratory Director

Date: 7/7/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 7/7/2005
Project: Eli Whitney THS, 6/29/05
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2306345 **Description / Location:** Grey/Green Floor Tile; 12"
Client No.: 163 2ndFloor; D-Wing; Custodian Closet

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 2	Chrysotile	None Detected	None Detected	PC 98 8

Lab No.: 2306345 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: 163 2ndFloor; D-Wing; Custodian Closet

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 5 5	Chrysotile	None Detected	None Detected	PC 94 5

Lab No.: 2306346 **Description / Location:** Off-White Wall Material
Client No.: 164 2ndFloor; D-Wing; Corridor North End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Fibrous Glass	90

Lab No.: 2306347 **Description / Location:** Off-White Wall Material
Client No.: 165 2ndFloor; D-Wing; Corridor North End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Fibrous Glass	90

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed Method not performed unless stated Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: V. Smith

Date: 7/7/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 7/7/2005
Project: Eli Whitney THS, 6/29/05
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2306348
Client No.: 166
Description / Location: Off-White Wall Material
2ndFloor; D-Wing; Corridor North End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Fibrous Glass	90

Lab No.: 2306349
Client No.: 167
Description / Location: White Base Molding Mastic
2ndFloor; D-Wing; Corridor North End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2306350
Client No.: 168
Description / Location: White Base Molding Mastic
2ndFloor; D-Wing; Corridor North End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2306351
Client No.: 169
Description / Location: White Base Molding Mastic
2ndFloor; D-Wing; Corridor North End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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This report shall not be reproduced except in full, without written approval of the laboratory.

Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: V. Smith

Date: 7/7/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 7/7/2005
Project: Eli Whitney THS, 6/29/05
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2306352
Client No.: 170
Description / Location: White Joint Compound
2ndFlr;D-Wing;Teacher's/BreakRmNECorner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2306353
Client No.: 171
Description / Location: White Joint Compound
2ndFlr;D-Wing;Teacher's/BreakRmNWCorner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2306354
Client No.: 172
Description / Location: White Joint Compound
Math Lab 226; S W. Corner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2306355
Client No.: 173
Description / Location: Brown Baseboard Molding Mastic
2ndFlr;D-Wing;Teacher's/BreakRmNECorner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: V. Smith

Date: 7/7/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 7/7/2005
Project: Eli Whitney THS, 6/29/05
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2306356
Client No.: 174
Description / Location: Brown/White Sheetrock
2ndFloor;D-Wing; VestibuleToWomen'sBath

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	30	Cellulose	70
		Trace	Fibrous Glass	

Lab No.: 2306356
Client No.: 174
Description / Location: White Texture Plaster
2ndFloor;D-Wing; VestibuleToWomen'sBath
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 2306357
Client No.: 175
Description / Location: Brown Sheetrock
2nd Floor; D-Wing; Custodian Closet

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80
		Trace	Fibrous Glass	

Lab No.: 2306357
Client No.: 175
Description / Location: White Texture Plaster
2nd Floor; D-Wing; Custodian Closet
Layer No.: 2

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: V. Smith

Date: 7/7/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 7/7/2005
Project: Eli Whitney THS, 6/29/05
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2306358
Client No.: 176
Description / Location: Dk Grey Glazing; Exterior Window A-Wing; Classroom 122

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 5	Chrysotile	None Detected	None Detected	PC 98 5

Lab No.: 2306359
Client No.: 177
Description / Location: Sample Not Analyzed

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 2306360
Client No.: 178
Description / Location: Tan Caulk; Exterior Window A-Wing; Classroom 121

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
10	Chrysotile	None Detected	None Detected	90

Lab No.: 2306361
Client No.: 179
Description / Location: Sample Not Analyzed

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: V. Smith

Date: 7/7/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 7/7/2005
Project: Eli Whitney THS, 6/29/05
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2306362
Client No.: 180
Description / Location: Sample Not Analyzed

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 2306363
Client No.: 181
Description / Location: Grey Glazing; Exterior Window C-Wing; Cafeteria N W Corner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1 3	Chrysotile	None Detected	None Detected	PC 98 7

Lab No.: 2306364
Client No.: 182
Description / Location: Sample Not Analyzed

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 2306365
Client No.: 183
Description / Location: Sample Not Analyzed

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

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Analysis Performed By: V. Smith

Date: 7/7/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 7/7/2005
Project: Eli Whitney THS, 6/29/05
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2306366
Client No.: 184
Description / Location: Brown Caulk; Exterior Window C-Wing; 1980AdditionAtCulinaryTheoryRoom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Fibrous Glass	97

Lab No.: 2306367
Client No.: 185
Description / Location: Brown Caulk; Exterior Window C-Wing; 1980AdditionAtCulinaryTheoryRoom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Fibrous Glass	97

Lab No.: 2306368
Client No.: 186
Description / Location: Brown Caulk; Exterior Window C-Wing; 1980AdditionAtCulinaryTheoryRoom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Fibrous Glass	98

Lab No.: 2306369
Client No.: 187
Description / Location: Grey/Green Glazing; ExteriorWindowFrame BaseOfWindow/MetalPanelAssembly

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 7 8	Chrysotile	None Detected	None Detected	PC 92 2

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed Method not performed unless stated Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope Therefore, negative PLM results cannot be guaranteed Electron Microscopy can be used as a confirming technique Regulatory Limit is based upon the sample matrix Quantification at <1% by volume is possible with this method Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: V. Smith

Date: 7/7/2005

IATL International Asbestos Testing Laboratories

16000 Horizon Way Unit 100 Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Delta Environmental Services
PO Box 564
Branford CT 06405

Report Date: 7/7/2005
Project: Eli Whitney THS, 6/29/05
Project No.: D03-170-13

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 2306370
Client No.: 188
Description / Location: Grey Insulation; Pipe Fitting
C-Wing; Auto Body; N W Corner Loft

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Mineral Wool	90

Lab No.: 2306371
Client No.: 189
Description / Location: Grey Insulation; Pipe Fitting
C-Wing; Auto Body; N W Corner Loft

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Mineral Wool	90

Lab No.: 2306372
Client No.: 190
Description / Location: Grey Insulation; Pipe Fitting
C-Wing; Auto Body; N W Corner Loft

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Mineral Wool	85

Lab No.: 2306373
Client No.: 191
Description / Location: Silver/Off-White Caulk; Duct Work
C-Wing; Auto Body Shop; Exhaust Duct

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

NIST-NVLAP No. 101165-0 **NY-DOH No. 11021** **AIHA Lab No. 100188**

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Analysis Method: EPA 600/R-93/116

Comments: (PC) Indicates Stratified Point Count Method performed. Method not performed unless stated. Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, negative PLM results cannot be guaranteed. Electron Microscopy can be used as a confirming technique. Regulatory Limit is based upon the sample matrix. Quantification at <1% by volume is possible with this method. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed.

Analysis Performed By: V. Smith

Date: 7/7/2005

IATL International Asbestos Testing Laboratories
16000 Horizon Way Unit 100 Mt. Laurel, NJ 0805
Telephone: 609.231.9449 Fax: 609.231 981

- Chain of Custody -

Client: Delta Environmental Services
P.O. Box 564
Branford, CT 06405

Project Name: Eli Whitney THS
Project No.: D03-170-13

Phone: (203) 481-7668
FAX: (203) 488-8164

Contact: Jim McCarthy
Pager:

Special Instructions:

Type:

Asbestos		Lead		Other
[ ] Air	[ ] Soil	[ ] Air	[ ] Soil	
[✓] Bulk	[ ] Dust	[ ] Bulk	[ ] Paint	
[ ] Water	[ ] Other	[ ] Water	[ ] Other	

Analysis Method:

[ ] PCM : NIOSH 7400	[✓] PLM : Bulk Asbestos EPA 600	[ ] TEM : AHERA
[ ] PCM : OSHA	[ ] PLM : Point Counting 198.1	[ ] TEM : NIOSH 7402
[ ] PCM : Other_____	[ ] PLM : NOB via 198.1 (PLM only)	[ ] TEM : EPA Level II
	[ ] If <1% by PLM, to TEM via 198.4 to meet NYSDOH requirements **	[ ] TEM : Microvac Dust
[ ] AAS : NIOSH 7082 (Air)	(**call to confirm TAT!)	[ ] TEM : Asbestos in Water
[ ] AAS : Lead in Drinking Water		[ ] TEM : Bulk Analysis
[ ] AAS : Lead in Paint ASTM D3335-85a		[ ] TEM : NOB 198.4
[ ] AAS : Lead Dust/Wipe		[ ] TEM : Other_____
[ ] AAS : Other Metals / Soil_____		[ ] Total Dust : NIOSH 0500

Turnaround Time:

FAX: _____ (date / time) Verbals: _____ (date / time)

[ ] 10 Day [ ] 5 Day [ ] 72 hour [✓] 48 hour [ ] 24 hour [ ] 6 hour [ ] RUSH

Preliminary FAX/Verbal Results Requested by: _____

Sample Numbers:

Client #(s): 160 (start) - 191 (end) IATL#(s): _____ (start) - _____ (end) Total:

Chain of Custody:

Relinquished:	[signature]	Date: 6/30/05	Time: 5:00 pm
Received:		Date:	Time:
Sample Log-in:	[signature]	Date: 7/5/05	Time:
Sample Prep:		Date: / /	Time:
Analyzed:	[signature]	Date: 7/7/05	Time:
QA/QC Review:	CR 7/8/05	Date: / /	Time:

RECEIVED
JUL 05 2005
IATL - By [signature]

Archived/Released: _____ QA/QC InterLAB Use: _____ Date: _____ Time: _____

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405 (203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED		COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
160	Interior window Frame Caulk						Asbestos PLM EPA 600 2306342	Pos. stop	2nd Floor - D-Wing Women's Bathroom				
161							2306343		2nd Floor - D-Wing Corridor - No. End West Side				
162							2306344		2nd Floor - D-Wing Corridor - South End East Side				
163	12" White Floor Tile with Green Streaks						2306345		2nd Floor - D-Wing Custodian Closet				
164	Plastic wall Covering over Sheetrock						2306346	Pos. stop	2nd Floor D-Wing Corridor - North End				
165							2306347						
166							2306348						
167	White base molding adhesive						2306349	Pos. stop	Please do not analyze rubber molding				
168							2306350						

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
[signature]	Delta	6/29/05	3:00 PM

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1					
2					
3					
4					

024F

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405 (203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED		COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
169	" "						Asbestos PLM EPA 600	2306351 Pos. Stop w/ 167,168	" "				
170	Joint Compound							2306352 Pos. Stop	2nd Floor D-Wing Teacher's/Break Room NE Corner				
171								2306353	2nd Floor D-Wing Teacher's/Break Room NW Corner				
172								2306354	Math Lab 226 SW Corner				
173	Brown Backboard Molding Adhesive							2306355	2nd Floor D-Wing Teacher's/Break Room NE Corner				
174	Sheetrock							2306356 Pos. Stop	2nd Floor D-Wing Vestibule to Women's Bath				
175								2306357	2nd Floor D-Wing Custodian Closet				
176	Exterior Window Glazing							2306358 Pos. Stop	A-Wing Classroom 122				
177								2306359	A-Wing Classroom 121				

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME	TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
James A Mulvey	Delta	6/29/05	3:00 PM	1					
				2					
				3					
				4					

ADDITIONAL COMMENTS:

024F

DELTA Environmental Services,® Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405 (203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

SOURCE CODES: W = Well, O = Outfall, WO = Waste Oil, RO = Run Off, B = Bottom Sediment, SW = Sewage, SG = Sludge, S = Soil, R = River/Stream, LF = Landfill, WW = Wastewater, L = Lake/Ocean, X = Other; Specify

ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED			COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
178	Exterior window Frame Caulk						Asbestos PLM EPA 600	2306360	Pos. Stop	A-Wing Classroom 121				
179	↓						↓	2306361	↓	↓				
180	↓						↓	2306362	↓	A-Wing Classroom 106				
181	Exterior window Glazing						↓	2306363	Pos. Stop	C-Wing Cafeteria NW Corner				
182	↓						↓	2306364	↓	↓				
183	↓						↓	2306365	↓	↓				
184	Exterior window Glazing						↓	2306366	Pos. Stop	C-Wing 1980 Addition at Culinary Theory Room				
185	↓						↓	2306367	↓	↓				
186	↓						↓	2306368	↓	↓				

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
[signature]	Delta	6/29/05	3:00 PM

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1					
2					
3					
4					

024F

DELTA Environmental Services, Inc.

81 Schoolground Road • P.O. Box 564 • Branford, Connecticut 06405 (203) 481-7668

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: Eli Whitney THS

PROJECT LOCATION: Hamden, CT

PROJECT NUMBER: D03-170-13

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ITEM NO.	SAMPLE I.D.	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERVE	ANALYSIS REQUIRED	COMMENTS	TNSFR NUMBER AND CHECK 1	2	3	4
187	Exterior window Frame Caulk						Asbestos PLM EPA 600 2306369	At base of window/ metal panel Assembly West of Main Entrance				
188	Pipe Fitting						2306370 Pos. Stop	C-wing Auto Body - NW Corner Loft				
189							2306371					
190							2306372					
191	Ductwork Joint Caulk						2306373	C-wing Auto Body Shop - Exhaust Duct on Prep Booth				

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

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

SAMPLER'S SIGNATURE	AFFILIATION	DATE	TIME
[signature]	Delta	6/24/05	3:00 PM

ADDITIONAL COMMENTS:

TRNSF NO.	ITEM NO.	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1					
2					
3					
4					

024F

ChemScope INDUSTRIAL HYGIENE • ENVIRONMENTAL CHEMISTRY
P.O. BOX 389 FAIR HAVEN STATION, NEW HAVEN, CT 06513-0389
15 Moulthrop Street., North Haven, CT 06473-3686 • Phone (203) 865-5605 • Fax (203) 498-1610

Certificate Of Analysis

RECEIVED
JUL 21 2005

Delta Environmental Services, Inc.
PO Box 564
81 Schoolground Road
Branford CT 06405

7/15/05
CS# 161-54

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 7/13/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings (Analyzed 7/15/05)**
161-54-1 Brown hard glue daub (from 1x1 ceiling tile, 192) / C-Wing Auto Repair	*No Asbestos Detected* *44% Non- Fibrous Particles* *5% Non- Asbestos Rods* *51% Volatile on Ignition*
161-54-2 Brown hard glue daub (from 1x1 ceiling tile, 193) / C-Wing Auto Repair	*No Asbestos Detected* *43% Non- Fibrous Particles* *5% Non- Asbestos Rods* *52% Volatile on Ignition*
161-54-3 Brown hard glue daub (from 1x1 ceiling tile, 194) / C-Wing Auto Repair	*No Asbestos Detected* *44% Non- Fibrous Particles* *5% Non- Asbestos Rods* *51% Volatile on Ignition*
161-54-4 Blue/white speckled "granite pattern" sheet vinyl with gray fibrous backing (195) / C-Wing Auto Repair	*No Asbestos Detected* *15% Non- Fibrous Particles* *6% Fiberglass* *79% Volatile on Ignition*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 7/13/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings (Analyzed 7/15/05)**
161-54-5 Blue/white speckled "granite pattern" sheet vinyl with gray fibrous backing (196) / C-Wing Auto Repair	*No Asbestos Detected* *15% Non- Fibrous Particles* *7% Fiberglass* *78% Volatile on Ignition*
161-54-6 Blue/white speckled "granite pattern" sheet vinyl with gray fibrous backing (197) / C-Wing Auto Repair	*No Asbestos Detected* *13% Non- Fibrous Particles* *6% Fiberglass* *81% Volatile on Ignition*
161-54-7 Gray hard pliable interior window frame caulk with blue paint (198) / C-Wing Auto Repair	*5% Chrysotile Asbestos* *57% Non- Fibrous Particles* *38% Volatile on Ignition*
161-54-8 Gray hard pliable interior window frame caulk with blue paint (199) / C-Wing Auto Repair	*Not Analyzed*
161-54-9 Gray hard pliable interior window frame caulk with blue paint (200) / C-Wing Auto Repair	*Not Analyzed*
161-54-10 Off-white brittle sheetrock taping compound (201) / C-Wing Auto Repair	*No Asbestos Detected* *90% Non- Fibrous Particles* *10% Volatile on Ignition*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 7/13/05

Asbestos Identification in the samples Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings (Analyzed 7/15/05)**
161-54-11 Off-white brittle sheetrock taping compound (202) / C-Wing Auto Repair	*No Asbestos Detected* *92% Non- Fibrous Particles* *8% Volatile on Ignition*
161-54-12 Off-white brittle sheetrock taping compound (203) / C-Wing Auto Repair	*No Asbestos Detected* *95% Non- Fibrous Particles* *5% Volatile on Ignition*
161-54-13 Brown/gray fibrous boiler breeching insulation (204) / Boiler Room	*No Asbestos Detected* *24% Non- Fibrous Particles* *33% Mineral Wool* *25% Wollastonite* *18% Volatile on Ignition*
161-54-14 Gray hard "mud" insulation (under boiler, 205) / Boiler Room	*No Asbestos Detected* *57% Non- Fibrous Particles* *38% Mineral Wool* *5% Volatile on Ignition*
161-54-15 Gray rubbery pliable window frame caulk (under boiler, 206) / N-Wing	*No Asbestos Detected* *44% Non- Fibrous Particles* *56% Volatile on Ignition*
161-54-16 Gray rubbery pliable window frame caulk (under boiler, 207) / N-Wing	*No Asbestos Detected* *47% Non- Fibrous Particles* *53% Volatile on Ignition*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 7/13/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification	**Findings (Analyzed 7/15/05)**
161-54-17 Gray rubbery pliable window frame caulk (under boiler, 208) / N-Wing	*No Asbestos Detected* *44% Non- Fibrous Particles* *56% Volatile on Ignition*
161-54-18 Gray hard window glazing caulk (209) / N-Wing	*No Asbestos Detected* *85% Non- Fibrous Particles* *15% Volatile on Ignition*
161-54-19 Light gray soft rubbery expansion joint caulk (210) / N-Wing	*No Asbestos Detected* *42% Non- Fibrous Particles* *58% Volatile on Ignition*

Bulk sample(s) from Eli Whitney Regional Vocational-Technical School, 71 Jones Road, Hamden CT received from customer on 7/13/05

Asbestos Identification in the samples. Examination made by Polarized Light Microscopy (PLM) per EPA Test Method 600/R-93/116

Sample Identification

Findings (Analyzed 7/15/05)

Accreditation by the National Institute of Standards and Technology (NIST) # 101061-0
Accreditation by the American Industrial Hygiene Assocation (AIHA) #100134
Connecticut Department of Public Health (DPH) Approved Environmental Lab PH 0581
Accreditation Program (NVLAP) does not imply endorsement by NVLAP, NIST, or any Federal Agency.
This report pertains only to the samples tested and may not be reproduced in part.
The scope of Accreditation referenced in this report pertains to bulk asbestos analysis by PLM.
See test parameters on reverse side of this report and attached chain of custody form.

Signature (if applicable)	**Signature (if applicable)**	***Authorized Signature:*** or	***Authorized Signature:*** or	***Authorized Signature:***
Analyst	**Inspector**	***Ronald D. Arena*** ***Director***	***Suzanne Cristante*** ***QA Coordinator***	***Jesse Whittemore*** ***Laboratory Supervisor***

NVLAP ACCREDITED LAB# 101061-0 AIHA ACCREDITED LAB # 100134

Chem Scope, Inc.
15 Moulthrop Street, North Haven CT 06473
203-865-5605, fax 203-498-1610

CHAIN OF CUSTODY

Emailed_____
Faxed_____
Called_____
Logged_____

Sample Source: Eli Whitney THS CS Job # 161-54

Sampled by Jim McCarthy Date Sampled 7/12/05 Customer Name Delta Enviro

Analyst_____ Date Received 7-13-05 Date Analyzed_____

CS Sample #	Client Sample #	Sample Description	Comments
161-54-1	192	Glue Daub from 1'x1' Ceiling Tile - C-Wing	Auto Repair
-2	193		
-3	194		
-4	195	Blue 'Granite Pattern' Sheet Vinyl	
-5	196		
-6	197		
-7	198	Interior Window Frame Caulk	
-8	199		
-9	200		
-10	201	Joint Compound	
-11	202		
-12	203		
-13	204	Boiler Breeching	Boiler Room
-14	205	Mud Insulation underneath boiler	
-15	206	Window Frame Caulk	D-Wing
-16	207		
-17	208		
-18	209	Window Glazing Caulk	
-19	210	Expansion Joint Caulk	

Sample Turnaround: Monday 7/18, AM

Analysis Requested (if variable, use comment column) Asbestos PLM

Check if you want sample returned _____ (sample will be disposed of after 30 days).

Relinquished by [signature] Date 7/13/05 Time ~~8~~ 9:52 AM Received by [signature]
Relinquished by_____ Date _____ Time _____ Received by _____

Other Special Instructions: _____

Result Transmittal Instructions (for Chem Scope to transmit): Call Jim: 481-7668

FOR CHEM SCOPE, INC. TO FILL OUT IF SAMPLES ARE GOING TO OUTSIDE LABORATORY:

Name of Laboratory: _____ Method of Transportation to Laboratory: _____

Result Transmittal Instructions (for outside Laboratory to Chem Scope, Inc): *PLEASE FAX RESULTS*

The person submitting samples is responsible for obtaining true and representative samples, for complying with applicable regulations and for the use of the data obtained from the analysis. For example, many states have licensing and laboratory approval requirements. Please contact the individual states if you have any questions regarding specific sampling or approval requirements. For Connecticut sites, we have licensed inspectors available to collect client samples and to perform building inspections.

APPENDIX C

Prior Roof Sampling Report

EnviroMed Services, Inc.

Asbestos Inspection Report
for
Eli Whitney Regional Vocational Technical School (R.V.T.S.)
A, B, C Wing Roofs
71 Jones Avenue
Hamden, Connecticut

Project # BI-2B-753 (RT-00-60)
DPW # 18544

prepared for:

State of Connecticut
Department of Public Works

June 9 and July 20, 2000

EnviroMed Project # IH-00-404

25 Science Park • New Haven, CT 06511
(203) 786-5580 • facsimile (203) 786-5579

I. PROJECT NARRATIVE

Overview

On June 9 and July 20, 2000, state-licensed inspectors from EnviroMed Services, Inc. (EnviroMed) performed a limited inspection at the Eli Whitney Regional Vocational Technical School (R.V.T.S.), located at 71 Jones Road, Hamden, Connecticut. The purpose of this inspection was to identify the presence of asbestos in suspect roofing materials on the A, B Wings and Part of C Wing Roofs as identified by the client, so that any asbestos-containing material could be removed prior to renovation.

Samples were collected according to 40 CFR Part 763.86 and 29 CFR Part 1926.1101, and analyzed using Polarized Light Microscopy (PLM).

A total of one hundred sixty nine (169) bulk samples were collected. The bulk materials sampled include: gray flashing paper, gray flashing cement, black flashing paper, black flashing cement, black patching cement, all layers comprising the built-up roofing material, gray mechanical unit flashing, black mechanical unit flashing, all layers comprising the black perimeter flashing, all layers comprising the black parapet flashing, patching cement, black chimney flashing, black pitch box tar, black parapet joint flashing, and all layers comprising the gray parapet flashing.

Refer to Section II, Bulk Sample Location Diagrams, for bulk sample locations and identification.

Summary of Results

EnviroMed Services, Inc. accredited asbestos laboratory (NVLAP #1514) analyzed the bulk samples. Section III presents the complete list of analytical results for samples collected. The following presents the locations and estimated quantities of materials found to contain asbestos greater than 1.0 percent.

A-Wing Roof

<u>Main Roof, Front Entrance Roof, and Stairwell Roof</u>

There is approximately 750 square feet of gray flashing paper located along perimeters of these roofs and the expansion joint, and around the base of mechanical units. This material was found to contain 20 percent asbestos.

There is approximately 200 square feet of gray flashing cement located around mechanical units and along the expansion joint. This material was found to contain 10 percent asbestos.

There is approximately 75 square feet of black flashing paper and black flashing cement located along the base of the stairwell roof. The black flashing paper was found to contain 20-25 percent asbestos. The black flashing cement was found to contain no asbestos.

C-Wing Roofs

Roof 1 (Above Food Trades Section)

There is approximately 8 square feet of gray flashing located around mechanical units (Type I) on this roof. This material was found to contain 30 percent asbestos.

There is approximately 90 square feet of black flashing located around mechanical units (Type I) on this roof. This material was found to contain 35 percent asbestos.

There is approximately 480 square feet of three layers of black flashing located along the perimeter of this roof. The top layer was found to contain 37 percent asbestos. The second layer was found to contain 35 percent asbestos. The bottom layer was found to contain 32 percent asbestos.

Roof 2 (Above Gym)

There is approximately 71 square feet of three layers of black flashing located along the parapet walls of this roof. The top layer was found to contain 10 percent asbestos. The second and bottom layers were both found to contain 35 percent asbestos.

There is approximately 12 square feet of black flashing located around mechanical unit. This material was found to contain 40 percent asbestos.

Roof 3 (Above Auto Body Shop)

There is approximately 460 square feet of black flashing located around mechanical units and along the perimeter of this roof. This material was found to contain 30-42 percent asbestos.

Roof 4 (Above Welding Shop)

There is approximately 195 square feet of gray flashing cement located around vent tubes and along the perimeter of this roof. This material was found to contain 20-25 percent asbestos.

Roof 5 (Above Drafting Shop)

There is approximately 8 square feet of black flashing located around one large mechanical unit (Type I) on this roof. This material was found to contain 25 percent asbestos.

There is approximately 195 square feet of gray flashing cement located along the perimeter of this roof. This material was found to contain 40 percent asbestos.

There is approximately 205 square feet of gray flashing over felt paper located along the parapet walls of this roof. Both layers were found to contain 20-30 percent asbestos.

B-Wing Roofs

Roof 6

There is approximately 150 square feet of three layers of black flashing located along the parapet wall of this roof. The top layer was found to contain 38 percent asbestos. The second layer was found to contain 20 percent asbestos. The bottom layer was found to contain 40 percent asbestos.

There is approximately 4 square feet of black flashing located around the mechanical unit on this roof. This material was found to contain 25 percent asbestos.

Roof 7

There is approximately 56 square feet of black flashing located around the base of mechanical units and two chimneys on this roof. This material was found to contain 38-40 percent asbestos.

Roof 8

There is approximately 2850 square feet of two layers comprising the built-up roofing material located on this roof. The bottom layer was found to contain 20 percent asbestos. The top layer was found to contain no asbestos.

There is approximately 30 square feet of black flashing located around mechanical units on this roof. This material was found to contain 20 percent asbestos.

There is approximately 12 square feet of pitch box tar located in one pitch box on this roof. This material was found to contain 40 percent asbestos.

Roof 9

There is approximately 12 square feet of pitch box tar located in one pitch box on this roof. This material was found to contain 15 percent asbestos.

There is approximately 1030 square feet of two layers of gray flashing located along the parapet walls of this roof. The top layer was found to contain 35 percent asbestos. The bottom layer was found to contain 25 percent asbestos.

Roof 10

There is approximately 20 square feet of black pitch box tar located in four pitch boxes on this roof. This material was found to contain 43 percent asbestos.

There is approximately 45 square feet of black flashing located around mechanical units on this roof. This material was found to contain 25 percent asbestos.

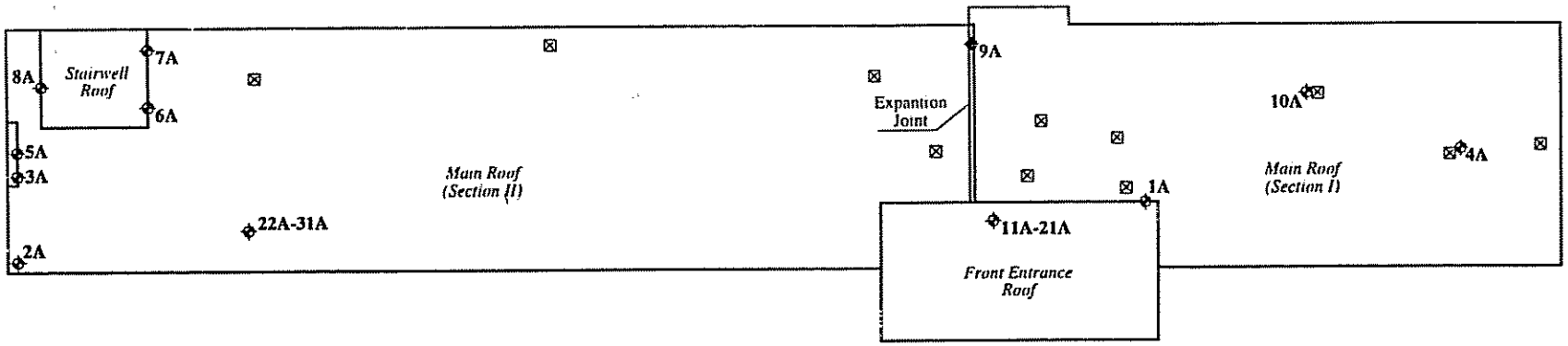
There is approximately 245 square feet of black flashing located along the parapet joint on this roof. This material was found to contain 20 percent asbestos.

There is approximately 125 square feet of black flashing cement located along the perimeter of this roof. This material was found to contain 35 percent asbestos.

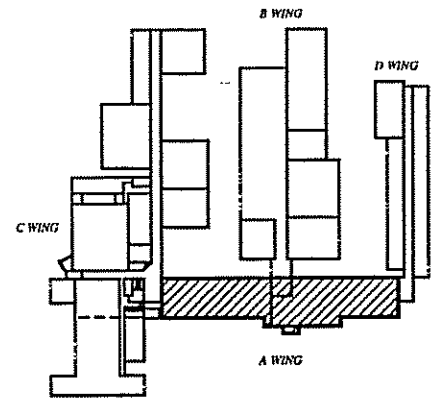
Non-Asbestos Containing Materials Found During the Inspection

The following materials were found to contain legally insignificant amounts (0–1 percent) of asbestos: patching cement, and all layers comprising the built-up roofing materials on A-wing roofs, C-wing roofs: 1-5, B-wing roofs: 6, 7, 9, and 10.

See Section IV for a copy of the laboratory analysis sheets for the samples collected.



A WING



KEY PLAN

Legend :

◆ = Sample Number & Location

⊠ = Mechanical Unit

N

REVISIONS		
DATE	MARK	DESCRIPTION

Drawing Title:
Asbestos Sample Location Diagram

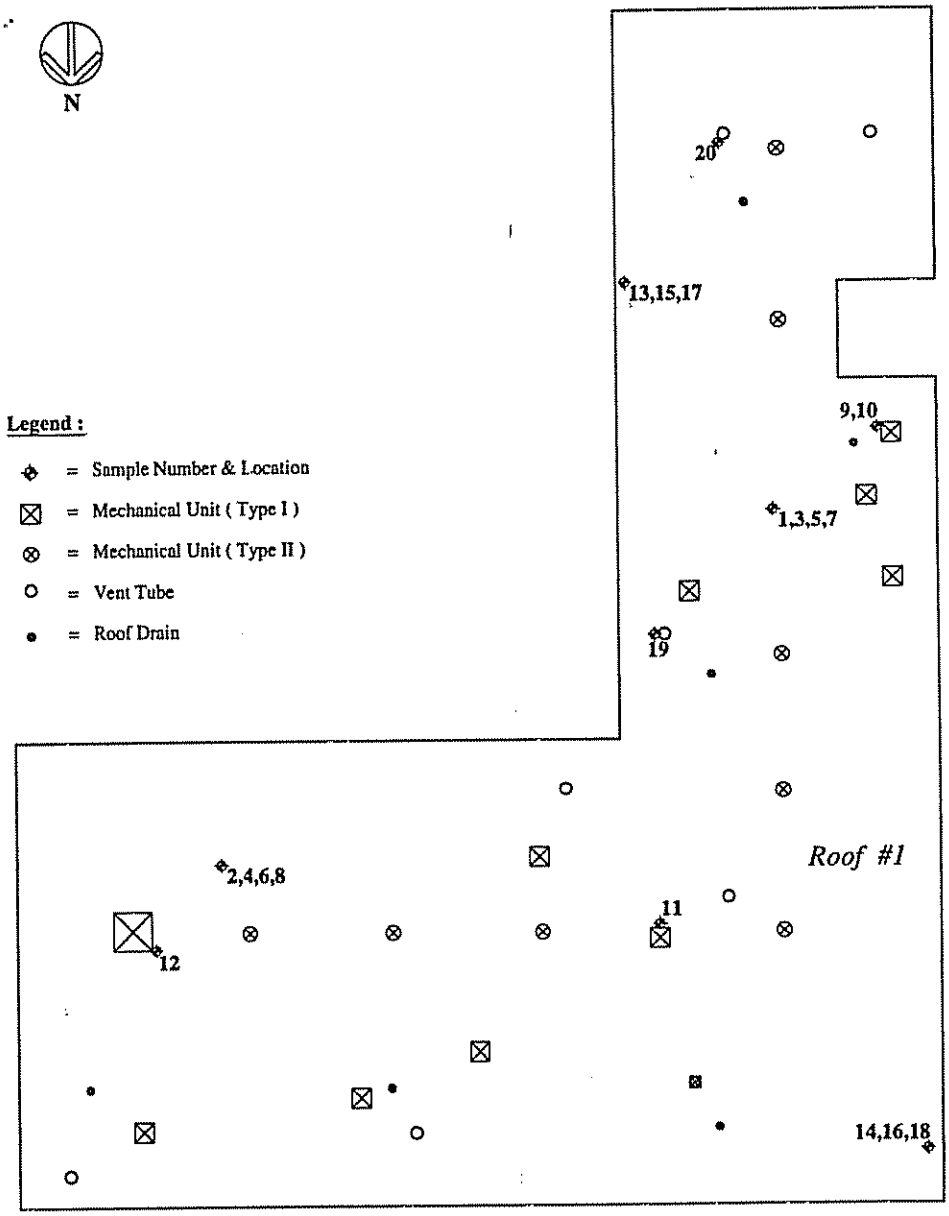
Prepared by:
EnviroMed Services, Inc.
25 Science Park, New Haven, CT 06511

Project: Eli Whitney RVTS - "A" Wing Roof
71 Jones Road
Hamden, Connecticut

Prepared for : State of Connecticut
Department of Public Works
Hartford, Connecticut

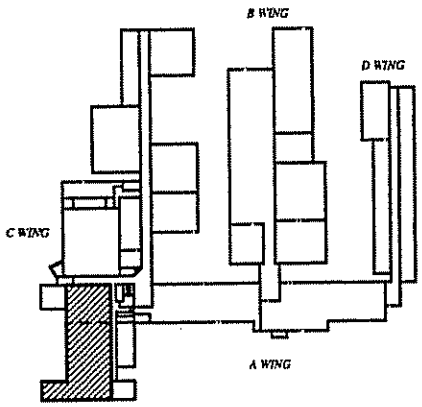
EMS #IH-00-404 DPW #18544 Client Job #BI-2B-753(RT-00-60)

Date: 06/09/00
Scale: N.T.S.
Drawn By: DER
Approved By: G.B.
Drawing No. 1 of 9



Legend :

- ⊕ = Sample Number & Location
- ⊠ = Mechanical Unit (Type I)
- ⊗ = Mechanical Unit (Type II)
- ○ = Vent Tube
- ● = Roof Drain



KEY PLAN

REVISIONS		
DATE	MARK	DESCRIPTION

Drawing Title:
Asbestos Sample Location Diagram

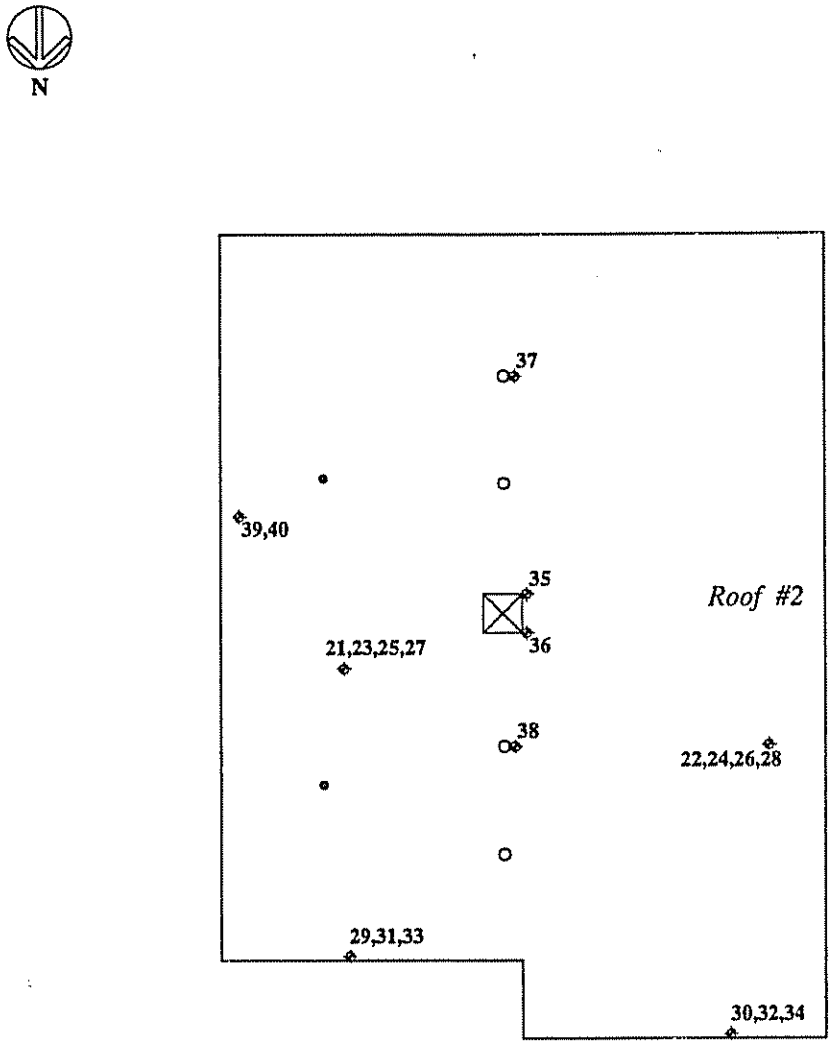
Prepared by:
EnviroMed Services, Inc.
25 Science Park, New Haven, CT 06511

Project: Eli Whitney RVTS - "C" Wing/Roof #1
71 Jones Road
Hamden, Connecticut

Prepared for : State of Connecticut
Department of Public Works
Hartford, Connecticut

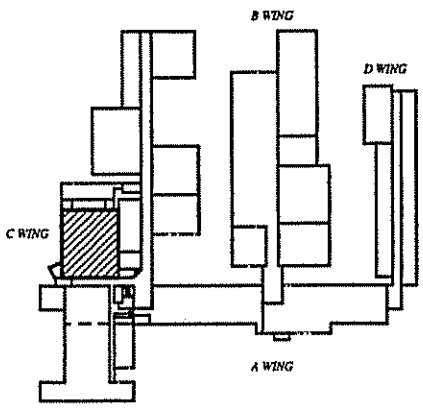
EMS #IH-00-404 DPW #18544 Client Job #BI-2B-753(RT-'XI-60)

Date: 07/09/00
Scale: N T S
Drawn By: DER
Approved By: D.T.
Drawing No. 2 of 9



Legend :

- ⌖ = Sample Number & Location
- ⊠ = Mechanical Unit
- ○ = Vent Tube
- ● = Roof Drain



KEY PLAN

REVISIONS		
DATE	MARK	DESCRIPTION

Drawing Title:
Asbestos Sample Location Diagram

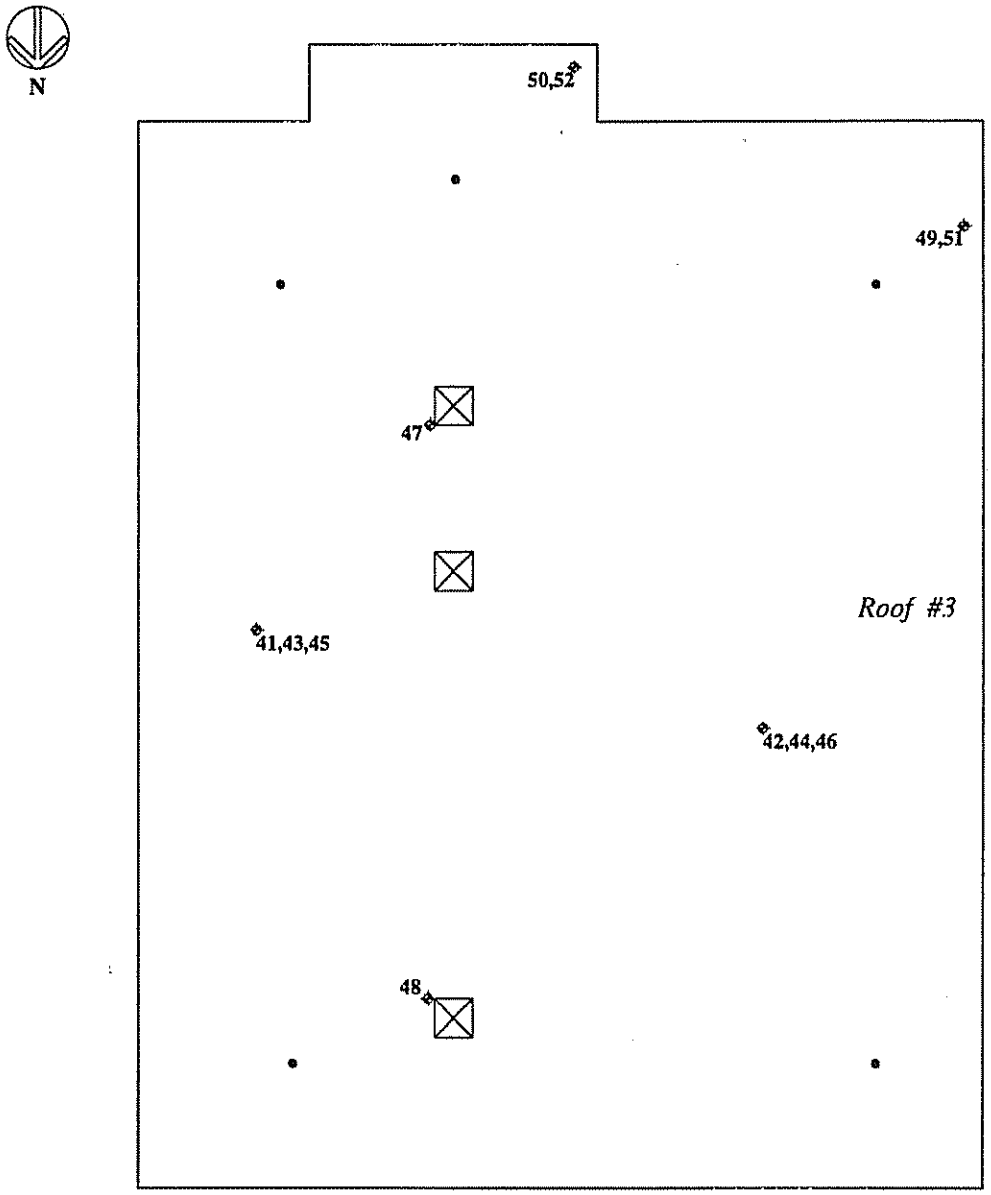
Prepared by:
EnviroMed Services, Inc.
25 Science Park, New Haven, CT 06511

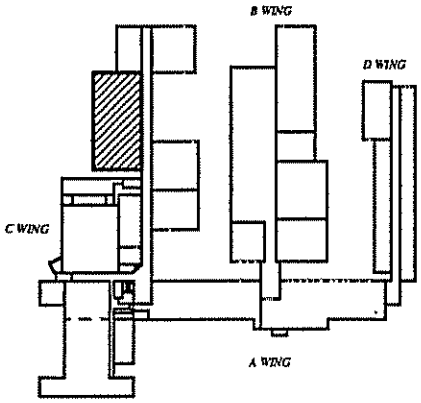
Project: Eli Whitney RVTS - "C" Wing/Roof #2
71 Jones Road
Hamden, Connecticut

Prepared for : State of Connecticut
Department of Public Works
Hartford, Connecticut

EMS #IH-00-404 DPW #18544 Client Job #BI-2B-753(RT-00-60)

Date: 07/09/00
Scale: N.T.S.
Drawn By: DER
Approved By: D.T.
Drawing No. 3 of 9





KEY PLAN

Legend :

- ◆ = Sample Number & Location
- ⊠ = Mechanical Unit
- • = Roof Drain

REVISIONS		
DATE	MARK	DESCRIPTION

Drawing Title:
Asbestos Sample Location Diagram

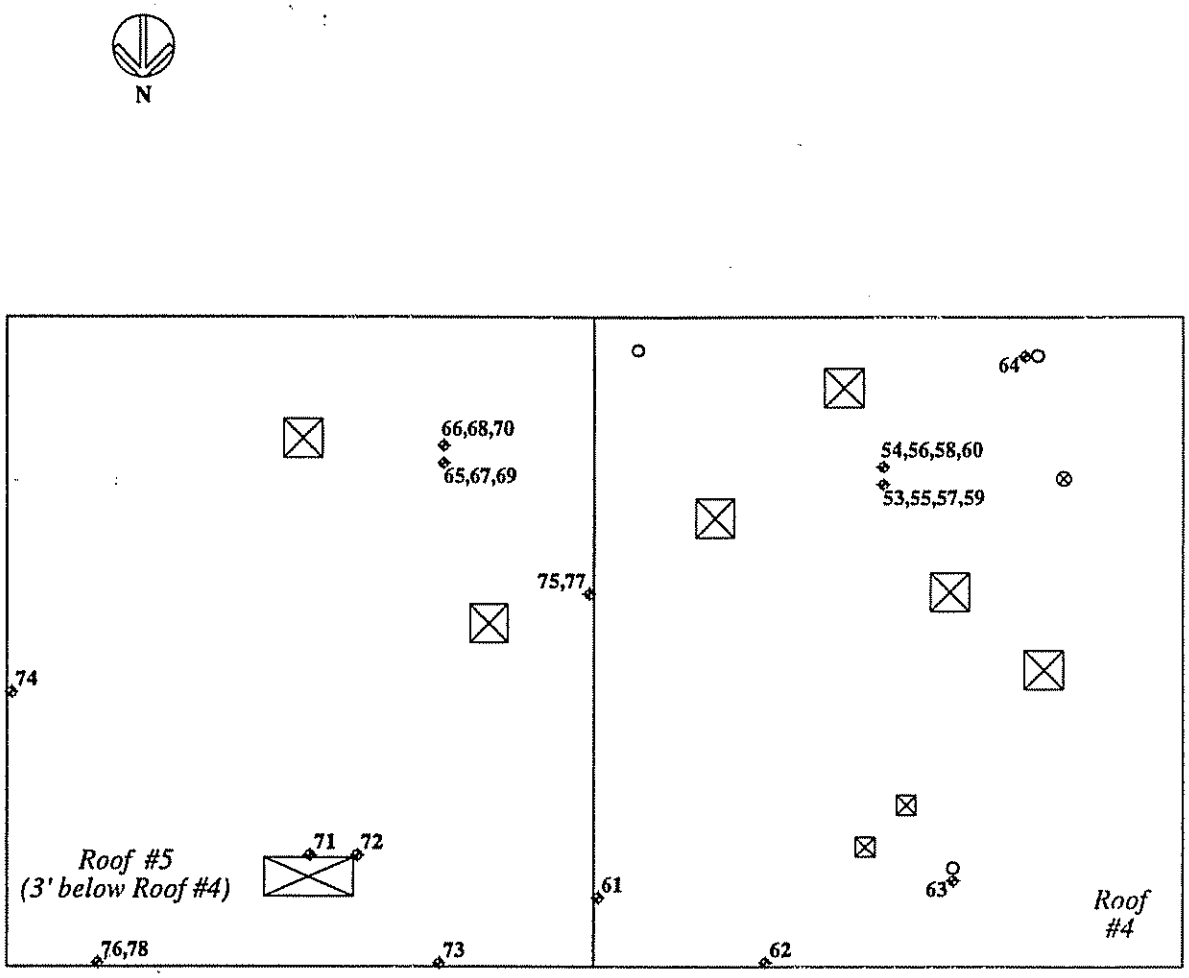
Prepared by:
EnviroMed Services, Inc.
25 Science Park, New Haven, CT 06511

Project: Eli Whitney RVTS - "C" Wing/Roof #3
71 Jones Road
Hamden, Connecticut

Prepared for : State of Connecticut
Department of Public Works
Hartford, Connecticut

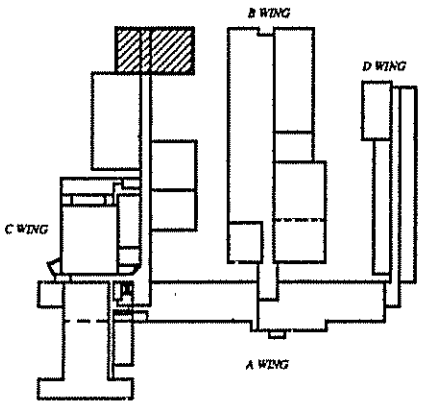
EMS #IH-00-404 DPW #18544 Client Job #BI-2B-753(RT-00-60)

Date: 07/09/00
Scale: N.T.S.
Drawn By: DER
Approved By: D.T.
Drawing No 4 of 9



Legend :

- ⊕ = Sample Number & Location
- ⊠ = Mechanical Unit (Type I)
- ⊗ = Mechanical Unit (Type II)
- ○ = Vent Tube



KEY PLAN

REVISIONS		
DATE	MARK	DESCRIPTION

Drawing Title:
Asbestos Sample Location Diagram

Prepared by:
EnviroMed Services, Inc.
25 Science Park, New Haven, CT 06511

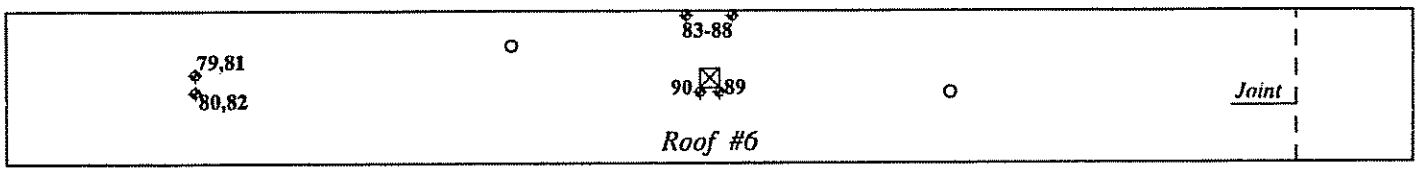
Date: 07/09/00
Scale: N.T.S
Drawn By: DER
Approved By: D.T.

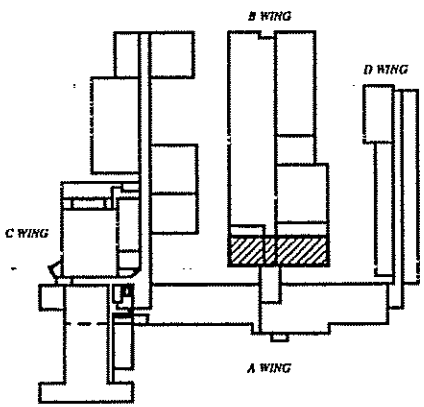
Project: Eli Whitney RVTS - "C"Wing/Roofs #4 &#5
71 Jones Road
Hamden, Connecticut

Prepared for : State of Connecticut
Department of Public Works
Hartford, Connecticut

Drawing No 5 of 9

EMS #IH-00-404 DPW #18544 Client Job #BI-2B-753(RT-00-60)





KEY PLAN

Legend :

- ⌖ = Sample Number & Location
- ⊠ = Mechanical Unit
- O = Vent Tube

REVISIONS		
DATE	MARK	DESCRIPTION

Drawing Title:
Asbestos Sample Location Diagram

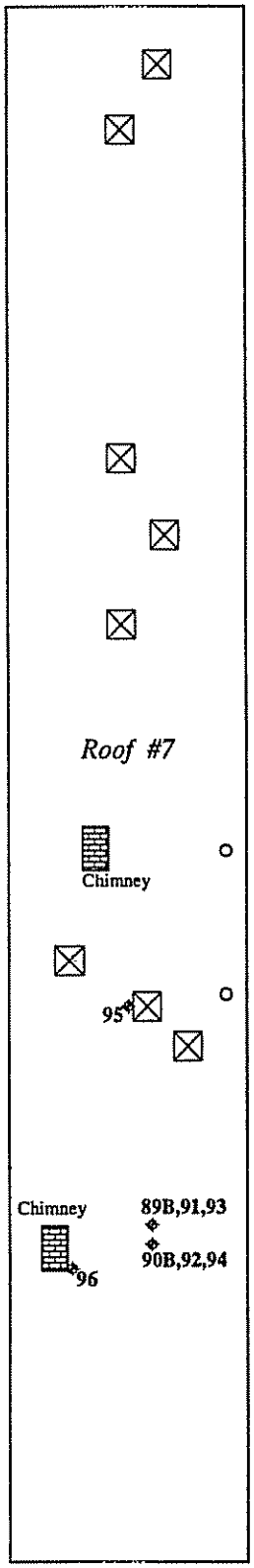
Prepared by:
EnviroMed Services, Inc.
25 Science Park, New Haven, CT 06511

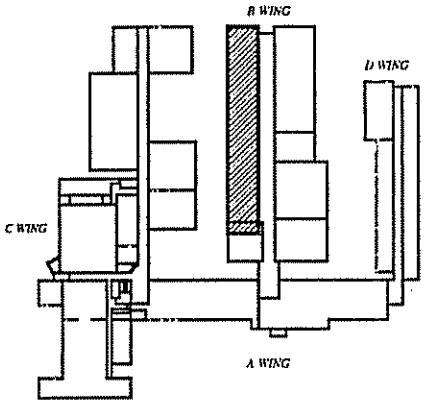
Project: Eli Whitney RVTS - "B"Wing/Roof #6
71 Jones Road
Hamden, Connecticut

Prepared for: State of Connecticut
Department of Public Works
Hartford, Connecticut

EMS #H-00-404 DPW #18544 Client Job #BI-2B-753(RT-00-00)

Date: 07/09/00
Scale: N.T.S.
Drawn By: DER
Approved By: D.T.
Drawing No. 6 of 9



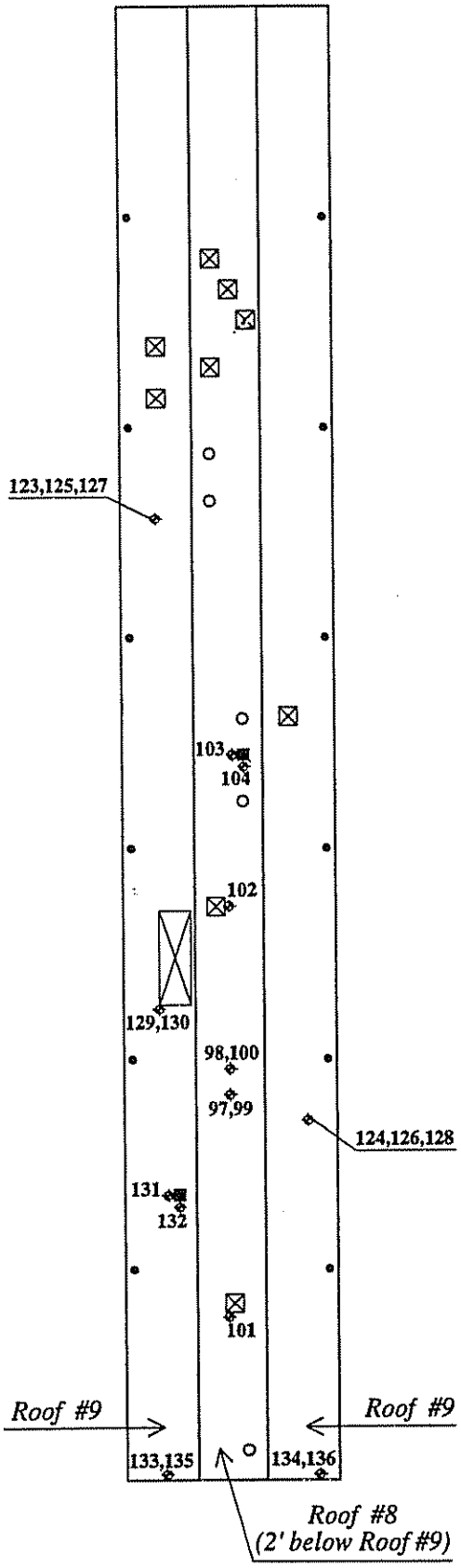


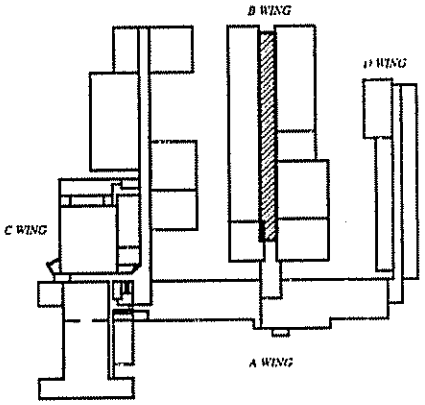
KEY PLAN

Legend :

- ◆ = Sample Number & Location
- ⊠ = Mechanical Unit
- O = Vent Tube

REVISIONS			Drawing Title: **Asbestos Sample Location Diagram**	
DATE	MARK	DESCRIPTION	Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date: 07/09/00
				Scale: N T S.
			Project: Eli Whitney RVTS - "B"Wing/Roof #7 71 Jones Road Hamden, Connecticut	Drawn By: DER
				Approved By: D.T.
			Prepared for : State of Connecticut Department of Public Works Hartford, Connecticut	Drawing No. 7 of 9
			EMS #IH-00-404 DPW #18544 Client Job #BI-2B-753(RT-90-60)	





KEY PLAN

Legend :

- ◆ = Sample Number & Location
- ⊠ = Mechanical Unit
- ○ = Vent Tube
- ■ = Pitch Box
- ● = Roof Drain

REVISIONS		
DATE	MARK	DESCRIPTION

Drawing Title:
Asbestos Sample Location Diagram

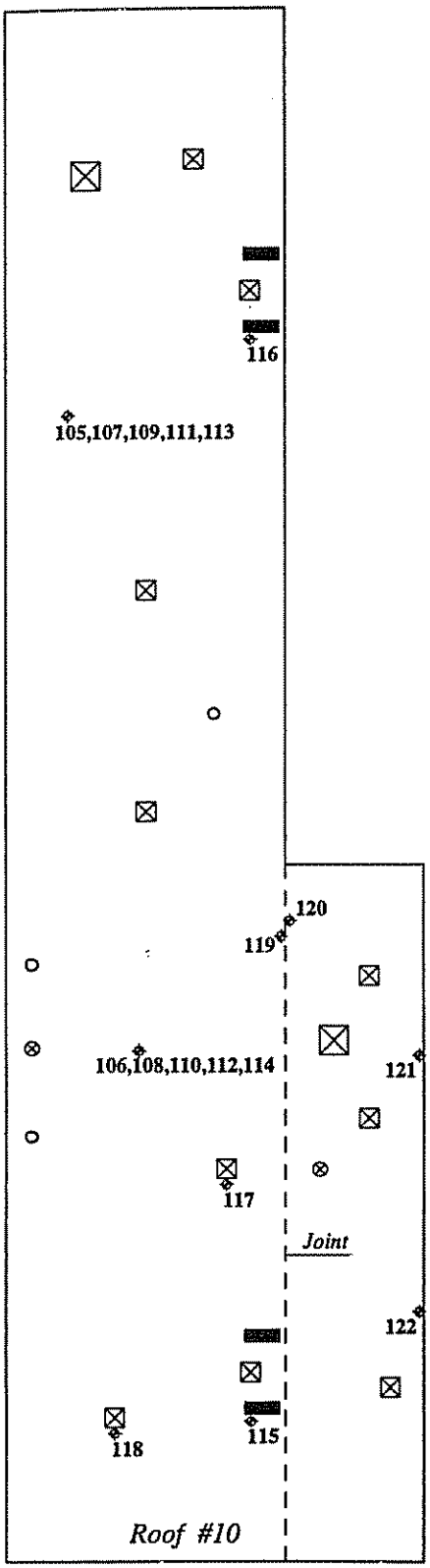
Prepared by:
EnviroMed Services, Inc.
25 Science Park, New Haven, CT 06511

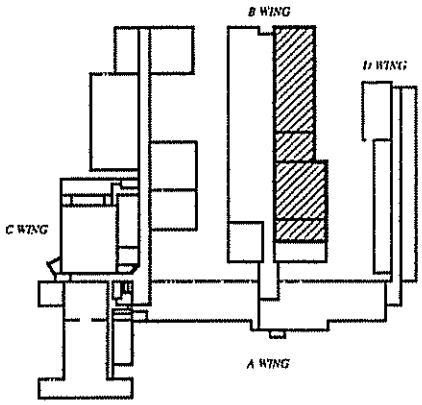
Project: Eli Whitney RVTS - "B"Wing/Roofs #8 & #9
71 Jones Road
Hamden, Connecticut

Prepared for : State of Connecticut
Department of Public Works
Hartford, Connecticut

EMS #IH-00-404 DPW #18544 Client Job #BI-2B-753(RT-00-60)

Date: 07/09/00
Scale: N.T.S.
Drawn By: DER
Approved By: D.T.
Drawing No. 8 of 9





KEY PLAN

Legend :

- ◆ = Sample Number & Location
- ⊠ = Mechanical Unit (Type I)
- ⊗ = Mechanical Unit (Type II)
- ○ = Vent Tube
- ▬ = Pitch Box

REVISIONS		
DATE	MARK	DESCRIPTION

Drawing Title:
Asbestos Sample Location Diagram

Prepared by:
EnviroMed Services, Inc.
25 Science Park, New Haven, CT 06511

Project: Eli Whitney RVTS - "B"Wing/Roof #10
71 Jones Road
Hamden, Connecticut

Prepared for : State of Connecticut
Department of Public Works
Hartford, Connecticut

EMS #IH-00-404 DPW #18544 Client Job #BI-2B-753(RT-40-60)

Date: 07/09/00
Scale: N.T.S
Drawn By: DER
Approved By: D.T.
Drawing No. 9 of 9

III. SAMPLE LOG AND RESULTS TABLE

Sample Number	Location	Material Sampled	Percent Asbestos
1A	A-wing/main roof perimeter	gray flashing paper	20
2A	A-wing/main roof perimeter	gray flashing paper	20
3A	A-wing/main roof perimeter	gray flashing cement	10
4A	A-wing/main roof base of mechanical unit	gray flashing cement	10
5A	A-wing/main roof perimeter	black flashing paper	20
6A	A-wing/main roof base of stairwell roof	black flashing paper	25
7A	A-wing/main roof base of stairwell roof	black flashing cement	NAD
8A	A-wing/main roof base of stairwell roof	black flashing cement	NAD
9A	A-wing/main roof expansion joint	black patching cement	NAD
10A	A-wing/main roof base of mechanical unit	black patching cement	NAD
11A	A-wing/front entrance roof	built-up roofing material top layer	NAD
12A	A-wing/front entrance roof	built-up roofing material second layer	NAD
13A	A-wing/front entrance roof	built-up roofing material third layer	NAD
14A	A-wing/front entrance roof	built-up roofing material fourth layer	NAD
15A	A-wing/front entrance roof	built-up roofing material fifth layer	NAD
16A	A-wing/front entrance roof	built-up roofing material sixth layer	NAD
17A	A-wing/front entrance roof	built-up roofing material seventh layer	NAD
18A	A-wing/front entrance roof	built-up roofing material eighth layer	NAD
19A	A-wing/front entrance roof	built-up roofing material ninth layer	NAD
20A	A-wing/front entrance roof	built-up roofing material tenth layer	NAD
21A	A-wing/front entrance roof	built-up roofing material bottom layer	NAD
22A	A-wing/main roof main field	built-up roofing material top layer	NAD
23A	A-wing/main roof main field	built-up roofing material second layer	NAD
24A	A-wing/main roof main field	built-up roofing material third layer	NAD

NAD = No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
25A	A-wing/main roof main field	built-up roofing material fourth layer	NAD
26A	A-wing/main roof main field	built-up roofing material fifth layer	NAD
27A	A-wing/main roof main field	built-up roofing material sixth layer	NAD
28A	A-wing/main roof main field	built-up roofing material seventh layer	NAD
29A	A-wing/main roof main field	built-up roofing material eighth layer	NAD
30A	A-wing/main roof main field	built-up roofing material ninth layer	NAD
31A	A-wing/main roof main field	built-up roofing material bottom layer	NAD
1	C-wing roof 1	built-up roofing material top layer	NAD
2	C-wing roof 1	built-up roofing material top layer	NAD
3	C-wing roof 1	built-up roofing material second layer	NAD
4	C-wing roof 1	built-up roofing material second layer	NAD
5	C-wing roof 1	built-up roofing material third layer	NAD
6	C-wing roof 1	built-up roofing material third layer	NAD
7	C-wing roof 1	built-up roofing material bottom layer	NAD
8	C-wing roof 1	built-up roofing material bottom layer	NAD
9	C-wing/roof 1 around mechanical unit	gray mechanical flashing	30
10	C-wing/roof 1 around mechanical unit	gray mechanical flashing	NA
11	C-wing/roof 1 around mechanical unit	gray mechanical flashing	35
12	C-wing/roof 1 around mechanical unit	gray mechanical flashing	NA
13	C-wing/roof 1 along perimeter	black flashing top layer	37
14	C-wing/roof 1 along perimeter	black flashing top layer	NA
15	C-wing/roof 1 along perimeter	black flashing second layer	35
16	C-wing/roof 1 along perimeter	black flashing second layer	NA
17	C-wing/roof 1 along perimeter	black flashing bottom layer	32

NAD = No Asbestos Detected
NA = Not Analyzed According to AHERA Protocol

Sample Number	Location	Material Sampled	Percent Asbestos
18	C-wing/roof 1 along perimeter	black flashing bottom layer	NA
19	C-wing/roof 1 around vent tubes	gray roof cement	NAD
20	C-wing/roof 1 around vent tubes	gray roof cement	NAD
21	C-wing roof 2	built-up roofing material top layer	NAD
22	C-wing roof 2	built-up roofing material top layer	NAD
23	C-wing roof 2	built-up roofing material second layer	NAD
24	C-wing roof 2	built-up roofing material second layer	NAD
25	C-wing roof 2	built-up roofing material third layer	NAD
26	C-wing roof 2	built-up roofing material third layer	NAD
27	C-wing roof 2	built-up roofing material bottom layer	NAD
28	C-wing roof 2	built-up roofing material bottom layer	NAD
29	C-wing/roof 2 along parapet wall	black flashing top layer	10
30	C-wing/roof 2 along parapet wall	black flashing top layer	NA
31	C-wing/roof 2 along parapet wall	black flashing second layer	35
32	C-wing/roof 2 along parapet wall	black flashing second layer	NA
33	C-wing/roof 2 along parapet wall	black flashing bottom layer	35
34	C-wing/roof 2 along parapet wall	black flashing bottom layer	NA
35	C-wing/roof 2 around mechanical unit	black mechanical flashing	40
36	C-wing/roof 2 around mechanical unit	black mechanical flashing	NA
37	C-wing/roof 2 around vent tubes	gray roof cement	NAD
38	C-wing/roof 2 around vent tubes	gray roof cement	NAD
39	C-wing roof 2	patching cement	NAD
40	C-wing roof 2	patching cement	NAD
41	C-wing roof 2	built-up roofing material top layer	NAD
42	C-wing roof 2	built-up roofing material top layer	NAD

NAD = No Asbestos Detected
NA = Not Analyzed According to AHERA Protocol

Sample Number	Location	Material Sampled	Percent Asbestos
43	C-wing roof 2	built-up roofing material second layer	NAD
44	C-wing roof 2	built-up roofing material second layer	NAD
45	C-wing roof 2	built-up roofing material bottom layer	NAD
46	C-wing roof 2	built-up roofing material bottom layer	NAD
47	C-wing/roof 3 around mechanical unit	black mechanical flashing	36
48	C-wing/roof 3 around mechanical unit	black mechanical flashing	NA
49	C-wing/roof 3 along perimeter	black perimeter flashing top layer	42
50	C-wing/roof 3 along perimeter	black perimeter flashing top layer	NA
51	C-wing/roof 3 along perimeter	black perimeter flashing bottom layer	30
52	C-wing/roof 3 along perimeter	black perimeter flashing bottom layer	NA
53	C-wing/roof 4 main field	built-up roofing material top layer	NAD
54	C-wing/roof 4 main field	built-up roofing material top layer	NAD
55	C-wing/roof 4 main field	built-up roofing material second layer	NAD
56	C-wing/roof 4 main field	built-up roofing material second layer	NAD
57	C-wing/roof 4 main field	built-up roofing material third layer	NAD
58	C-wing/roof 4 main field	built-up roofing material third layer	NAD
59	C-wing/roof 4 main field	built-up roofing material bottom layer	NAD
60	C-wing/roof 4 main field	built-up roofing material bottom layer	NAD
61	C-wing/roof 4 along perimeter	gray flashing cement	20
62	C-wing/roof 4 along perimeter	gray flashing cement	NA
63	C-wing/roof 4 around vent tubes	gray flashing cement	25
64	C-wing/roof 4 around vent tubes	gray flashing cement	NA
65	C-wing roof 5	built-up roofing material top layer	NAD
66	C-wing roof 5	built-up roofing material top layer	NAD
67	C-wing roof 5	built-up roofing material second layer	NAD

NAD = No Asbestos Detected
NA = Not Analyzed According to AHERA Protocol

Sample Number	Location	Material Sampled	Percent Asbestos
68	C-wing roof 5	built-up roofing material second layer	NAD
69	C-wing roof 5	built-up roofing material bottom layer	NAD
70	C-wing roof 5	built-up roofing material bottom layer	NAD
71	C-wing/roof 5 around mechanical unit	black mechanical flashing	25
72	C-wing/roof 5 around mechanical unit	black mechanical flashing	NA
73	C-wing/roof 5 along perimeter	gray flashing cement	40
74	C-wing/roof 5 along perimeter	gray flashing cement	NA
75	C-wing/roof 5 along parapet wall	gray flashing	25
76	C-wing/roof 5 along parapet wall	felt paper under gray flashing	20
77	C-wing/roof 5 along parapet wall	gray flashing	30
78	C-wing/roof 5 along parapet wall	felt paper under gray flashing	20
79	B-wing roof 6	built-up roofing material top layer	NAD
80	B-wing roof 6	built-up roofing material top layer	NAD
81	B-wing roof 6	built-up roofing material bottom layer	NAD
82	B-wing roof 6	built-up roofing material bottom layer	NAD
83	B-wing/roof 6 along parapet wall	black flashing top layer	38
84	B-wing/roof 6 along parapet wall	black flashing top layer	NA
85	B-wing/roof 6 along parapet wall	black flashing second layer	20
86	B-wing/roof 6 along parapet wall	black flashing second layer	NA
87	B-wing/roof 6 along parapet wall	black flashing bottom layer	40
88	B-wing/roof 6 along parapet wall	black flashing bottom layer	NA
89	B-wing/roof 6 around mechanical unit	black flashing	25
90	B-wing/roof 6 around mechanical unit	black flashing	NA
89B	B-wing roof 7	built-up roofing material top layer	NAD
90B	B-wing roof 7	built-up roofing material top layer	NAD

NAD = No Asbestos Detected
NA = Not Analyzed According to AHERA Protocol

Sample Number	Location	Material Sampled	Percent Asbestos
91	B-wing roof 7	built-up roofing material second layer	NAD
92	B-wing roof 7	built-up roofing material second layer	NAD
93	B-wing roof 7	built-up roofing material bottom layer	NAD
94	B-wing roof 7	built-up roofing material bottom layer	NAD
95	B-wing/roof 7 around mechanical unit	black flashing	40
96	B-wing/roof 7 around chimney	black flashing	38
97	B-wing roof 8	built-up roofing material top layer	NAD
98	B-wing roof 8	built-up roofing material top layer	NAD
99	B-wing roof 8	built-up roofing material bottom layer	20
100	B-wing roof 8	built-up roofing material bottom layer	NA
101	B-wing/roof 8 around mechanical unit	black mechanical flashing	20
102	B-wing/roof 8 around mechanical unit	black mechanical flashing	NA
103	B-wing/roof 8 pitch box	pitch box tar	40
104	B-wing/roof 8 pitch box	pitch box tar	NA
105	B-wing roof 10	built-up roofing material top layer	NAD
106	B-wing roof 10	built-up roofing material top layer	NAD
107	B-wing roof 10	built-up roofing material second layer	NAD
108	B-wing roof 10	built-up roofing material second layer	NAD
109	B-wing roof 10	built-up roofing material third layer	NAD
110	B-wing roof 10	built-up roofing material third layer	NAD
111	B-wing roof 10	built-up roofing material fourth layer	NAD
112	B-wing roof 10	built-up roofing material fourth layer	NAD
113	B-wing roof 10	built-up roofing material bottom layer	NAD
114	B-wing roof 10	built-up roofing material bottom layer	NAD
115	B-wing/roof 10 pitch box	black pitch box tar	43

NAD = No Asbestos Detected
NA = Not Analyzed According to AHERA Protocol

Sample Number	Location	Material Sampled	Percent Asbestos
116	B-wing/roof 10 pitch box	black pitch box tar	NA
117	B-wing/roof 10 around mechanical unit	black mechanical flashing	25
118	B-wing/roof 10 around mechanical unit	black mechanical flashing	NA
119	B-wing/roof 10 along parapet joint	black flashing	20
120	B-wing/roof 10 along parapet joint	black flashing	NA
121	B-wing/roof 10 along perimeter	black flashing cement	35
122	B-wing/roof 10 along perimeter	black flashing cement	NA
123	B-wing roof 9	built-up roofing material top layer	NAD
124	B-wing roof 9	built-up roofing material top layer	NAD
125	B-wing roof 9	built-up roofing material second layer	NAD
126	B-wing roof 9	built-up roofing material second layer	NAD
127	B-wing roof 9	built-up roofing material bottom layer	NAD
128	B-wing roof 9	built-up roofing material bottom layer	NAD
129	B-wing/roof 9 around mechanical unit	black mechanical flashing	NAD
130	B-wing/roof 9 around mechanical unit	black mechanical flashing	NAD
131	B-wing/roof 9 pitch box	black pitch box tar	15
132	B-wing/roof 9 pitch box	black pitch box tar	NA
133	B-wing/roof 9 along parapet wall	gray flashing top layer	35
134	B-wing/roof 9 along parapet wall	gray flashing top layer	NA
135	B-wing/roof 9 along parapet wall	gray flashing bottom layer	25
136	B-wing/roof 9 along parapet wall	gray flashing bottom layer	NA

NAD = No Asbestos Detected
NA = Not Analyzed According to AHERA Protocol

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Survey for Lead
Based Paint (LBP)

LEAD PAINT INSPECTION

ELI WHITNEY TECHNICAL HIGH SCHOOL
HAMDEN, CONNECTICUT
(DPW Building No. 18528, 18544)

PROJECT NUMBER: BI-RT-837 (ASB)

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC WORKS

JAMES T. FLEMING
COMMISSIONER

PREPARED BY:

DELTA ENVIRONMENTAL SERVICES, INC.
81 SCHOOLGROUND ROAD
BRANFORD, CONNECTICUT 06405

AUGUST 19, 2005

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3.0	Summary of Lead Inspection Findings	1
	TABLE 3-1: Summary of XRF Screening Results for Lead-Based Paint	

APPENDICES

APPENDIX A - Lead Inspector's Survey Report

1.0 INTRODUCTION

This report summarizes the results of a lead-based paint (LBP) inspection for Eli Whitney Technical High School, 71 Jones Road, Hamden, Connecticut. The project consisted of a screening inspection for lead-based paint using an X-Ray Fluorescence (XRF) analyzer.

2.0 FACILITY DESCRIPTION

Eli Whitney is a one and partial two-story, 170,000± square foot masonry structure built in 1956. Additions were built in 1959, 1971, 1974 and 1980.

The interior finishes in the building generally consist of vinyl floor tile or carpet over concrete floors, suspended tile ceilings, and concrete block walls.

3.0 SUMMARY OF LEAD INSPECTION FINDINGS

An X-Ray Fluorescence (XRF) screening inspection of the facility was conducted by Ronald J. Passaro, Jr., a licensed lead inspector from Brooks Laboratories, Inc. (a subcontractor to DELTA) on August 15, 2005. The purpose of the inspection was to determine whether toxic levels of lead are present in painted surfaces in the building as defined by State and Federal regulations.

Areas tested included door, window, wall and ceiling surfaces in selected portions of the building. Some exterior surfaces were also tested. The data was evaluated in the context of the regulatory standard of 1.0 milligrams per square centimeter ($mg/cm^{2)}$ of surface used to define lead-based paint (LBP).

The only surfaces found to exceed the standard were: metal door and window casings, a metal door jamb and a metal window sash. The specific areas where LBP was found are identified in Table 3-1. The concentrations of lead detected in these areas ranged from 1.2 to 1.9 mg/cm^2.

Generally, lead abatement is only required in buildings where children under six years of age reside or where severely damaged or deteriorated LBP is present, though all building renovation and maintenance activities involving disturbance of LBP must be performed in compliance with OSHA lead regulation 29 CFR 1926.62.

The OSHA regulation stipulates that the following activities can result in high lead exposures: flame torch cutting, the use of heat guns, sanding, scraping and grinding of surfaces. Performance of any of these activities in the areas where LBP is present would likely require the following protective measures: respiratory protection, air monitoring, engineering controls and decontamination facilities.

OSHA also requires employers performing any "construction work where an employee may be occupationally exposed to lead" to have a worker protection program and make a lead "exposure assessment" for each job.

In accordance with standard DPW protocol, DELTA recommends that any renovation contractors be provided with a copy of this lead testing data (typically included as an appendix to the Project Manual) and a stipulation be made that the work comply with OSHA 29 CFR 1926.62 and other applicable state and federal regulations.

A copy of the detailed report prepared by Brooks Laboratories, Inc. is included in Appendix A.

TABLE 3-1 - SUMMARY OF XRF SCREENING RESULTS FOR LEAD-BASED PAINT ELI WHITNEY TECHNICAL HIGH SCHOOL HAMDEN, CONNECTICUT				
TEST NUMBER	**ROOM**	**COMPONENT**	**SUBSTRATE**	**RESULT (mg/cm^2 of lead)**
16	B-Wing Electrical Shop	Door Casing	Metal	1.75
17	B-Wing Electrical Shop	Door Casing	Metal	1.89
35	B-Wing Machine Shop	Door Jamb	Metal	1.48
80	A-Wing Exterior	Window Casing	Metal	1.39
82	A-Wing Exterior	Window Sash	Metal	1.21

* Data are given only for those surfaces found to exceed the regulatory standard defining lead-based paint of 1.0 mg/cm^2

APPENDIX A

Lead Inspector's Survey Report

DELTA Environmental Services,® Inc.

BROOKS LABORATORIES

Environmental Scientists and Engineers
"Protecting People and the Environment"

August 17, 2005

Eli Whitney Technical School
71 Jones Road
Hamden, CT

Site Address: 71 Jones Road Hamden, CT

Eli Whitney Technical School,

Enclosed is the report on lead based paint testing performed on August 15, 2005 71 Jones Road Hamden, CT. The dwelling was a 170,000 square foot Technical School constructed in 1955 and added on addition in 1980. The testing was performed by Ronald J. Passaro, Jr. (CT Certification #LII001805) using a Niton, Serial # 7792, with a radioactive source.

There were random samples taken. Rooms tested and wall sides correspond to the attached rough floor plans. *These plans are not to scale and are to be used for identification purposes only.* Wall sides are determined by walking through the dwelling from the main front door and proceeding in a clockwise rotation. As you go from room to room, the doorway you walk through to enter each room is on wall A. The remaining walls follow in a clockwise rotation.

The tested components are deemed to be representative and only those components specifically tested should be assessed as to whether or not lead paint is present.

Due to the density of some metal and steel substrate, it is recommended that a laboratory chip sample be taken from these components to verify the lead content.

Connecticut has set 1.0 milligrams/square centimeter (mg/cm^2) or above as the action level at which lead paint should be abated, but it is our opinion that lead in any concentration is hazardous, especially when a child frequents the dwelling. The total lead on the report is the reading of lead in all of the paint layers down to the substrate. A positive result (POS) is a confirmed reading above 1.0 mg/cm^2, a negative result (NEG) is a confirmed reading below 1.0 mg/cm^2.

This XRF testing and report was performed according to all state and federal guidelines for the testing of lead based paint in dwellings. Envirotech of Fairfield County, Inc., lead license number 001019.

Brooks Laboratories Inc. thanks you for the opportunity to provide you with our lead testing services. Should you have any questions concerning these findings please feel free to contact us at any time.

Sincerely,

Ronald J. Passaro, Jr.
Senior Lead Inspector

Norwalk Office: 9 Isaacs Street ▼ Norwalk, Connecticut 06850 ▼ 203 853 9792 ▼ CT Wats: 800 843 1631 ▼ Fax: 203 853 0273
New Haven Office: 120 Forbes Avenue ▼ New Haven, CT 06512 ▼ 203 466 3579 ▼ CT Wats: 877 684 LABS (5227) ▼ Fax: 203 466 3583
E-Mail: brookslabs@aol.com ▼ Web Site: www brookslabs com
CT-PH-0539 NELAP NY-ELAP-11695

Brooks Laboratories
Client: Eli Whitney Tech
71 Jones Road
Hamden, Ct.

Inspection Date: 8/15/05
Instrument: NITON XRF
S/N 7792

Inspector: Ronald Passaro Jr.

Test #	Room Tested	Side	Component Tested	Condition	Substrate	Total Lead (mg/cm2)	Result	Notes	
2	Calibrate					1.23	POS		
3	Calibrate					1.37	POS		
4	Calibrate					1.29	POS		
5	Room 1	A	Door	Poor	Metal	0.07	NEG		
6	Room 1	A	Door Jamb	Poor	Metal	0	NEG		
7	Room 1	A	Door Casing	Poor	Metal	0.04	NEG		
8	Room 1	A	Wall	Poor	Brick	0.01	NEG		
9	Room 1	A	Window Casing	Poor	Metal	0.3	NEG		
10	Room 1	A	Cabinet Door Out	Poor	Metal	0	NEG		
11	Room 1	B	Window Casing	Poor	Wood	0	NEG		
12	Room 1	B	Window Sash	Poor	Wood	0	NEG		
13	Room 1	B	Window Sash	Poor	Drywall	0	NEG		
14	Room 1	C	Door	Poor	Metal	0.11	NEG		
15	Room 1	C	Door Jamb	Poor	Metal	0	NEG		
16	Room 1	C	Door Casing	Poor	Metal	1.75	POS		
17	Room 1	C	Door Casing	Poor	Metal	1.89	POS		
18	Room 1	B	Door	Poor	Wood	0.04	NEG		
19	Room 1	B	Door Jamb	Poor	Wood	0	NEG		
20	Room 1	C	Door Radiator	Poor	Steel	0	NEG		
21	Room 1	C	Window Casing	Poor	Metal	0.28	NEG		
22	Room 1	C	Window Casing	Poor	Metal	0.08	NEG		
23	Room 1	C	Window Sash	Poor	Metal	0.18	NEG		
24	Room 1	D	Wall	Poor	Brick	0.03	NEG		
25	Room 1	D	Stair Tread	Poor	Metal	0.08	NEG		
26	Room 1	D	Ceiling	Poor	Wood	0	NEG		
28	Room 1	D	Ceiling	Poor	Concrte	0	NEG		
29	Room 2	A	Door	Poor	Metal	0.01	NEG		
30	Room 2	A	Door Jamb	Poor	Metal	0	NEG		
31	Room 2	A	Door Casing	Poor	Metal	0	NEG		
32	Room 2	A	Door Jamb	Poor	Metal	0.04	NEG		
33	Room 2	A	Wall	Poor	Brick	0.24	NEG		
34	Room 2	C	Door	Poor	Steel	0.14	NEG		

Project #: 3231

Brooks Laboratories
Client: Eli Whitney Tech
71 Jones Road
Hamden, Ct.

Inspection Date: 8/15/05
Instrument: NITON XRF
S/N 7792

Inspector: Ronald Passaro Jr.

35	Room 2	C	Door Jamb	Poor	Steel	1.48	POS		
36	Room 2	C	Window Sash	Poor	Metal	0.25	NEG		
37	Room 2	D	Door	Poor	Metal	0	NEG		
38	Room 2	D	Door Jamb	Poor	Metal	0.02	NEG		
39	Room 2	D	Door Casing	Poor	Metal	0.01	NEG		
40	Room 2	C	Door	Poor	Metal	-0.05	NEG		
41	Room 2	C	Door Jamb	Poor	Metal	0	NEG		
42	Room 2	A	Door	Poor	Wood	0.24	NEG		
43	Room 2	A	Cabinet Door Out	Poor	Metal	0.03	NEG		
44	Room 3	A	Door	Poor	Metal	0.01	NEG		
45	Room 3	A	Door Jamb	Poor	Metal	0.01	NEG		
46	Room 3	A	Cabinet Door Out	Poor	Metal	0	NEG		
47	Room 3	A	Wall	Poor	Concrte	0.01	NEG		
48	Room 3	A	Door	Poor	Wood	0.02	NEG		
49	Room 3	A	Door Jamb	Poor	Metal	0.01	NEG		
50	Room 3	C	Window Casing	Poor	Metal	0.16	NEG		
51	Room 3	D	Wall	Poor	Concrte	0.03	NEG		
52	Room 4	A	Door	Poor	Metal	0.01	NEG		
53	Room 4	A	Door Jamb	Poor	Metal	0	NEG		
54	Room 4	A	Wall	Poor	Concrte	0.13	NEG		
55	Room 4	B	Door	Poor	Concrte	0	NEG		
56	Room 4	B	Door	Poor	Concrte	0	NEG		
57	Room 4	B	Door Jamb	Poor	Metal	0.08	NEG		
58	Room 4	B	Door	Poor	Metal	0.28	NEG		
59	Room 4	C	Door	Poor	Metal	0.46	NEG		
60	Room 4	C	Door Jamb	Poor	Metal	0.52	NEG		
61	Room 4	D	Door	Poor	Metal	-0.64	NEG		
62	Room 5	A	Door	Poor	Wood	0	NEG		
63	Room 5	A	Door Jamb	Poor	Metal	0.02	NEG		
64	Room 5	A	Door	Poor	Wood	0	NEG		
65	Room 5	B	Door	Poor	Drywall	0.05	NEG		
66	Room 5	C	Window Casing	Poor	Metal	0.33	NEG		
67	Room 5	C	Window Apron	Poor	Metal	0	NEG		
68	Room 5	D	Cabinet Door Out	Poor	Metal	0.03	NEG		

Project #: 3231

Brooks Laboratories
Client: Eli Whitney Tech
71 Jones Road
Hamden, Ct.

Inspection Date: 8/15/05
Instrument: NITON XRF
S/N 7792

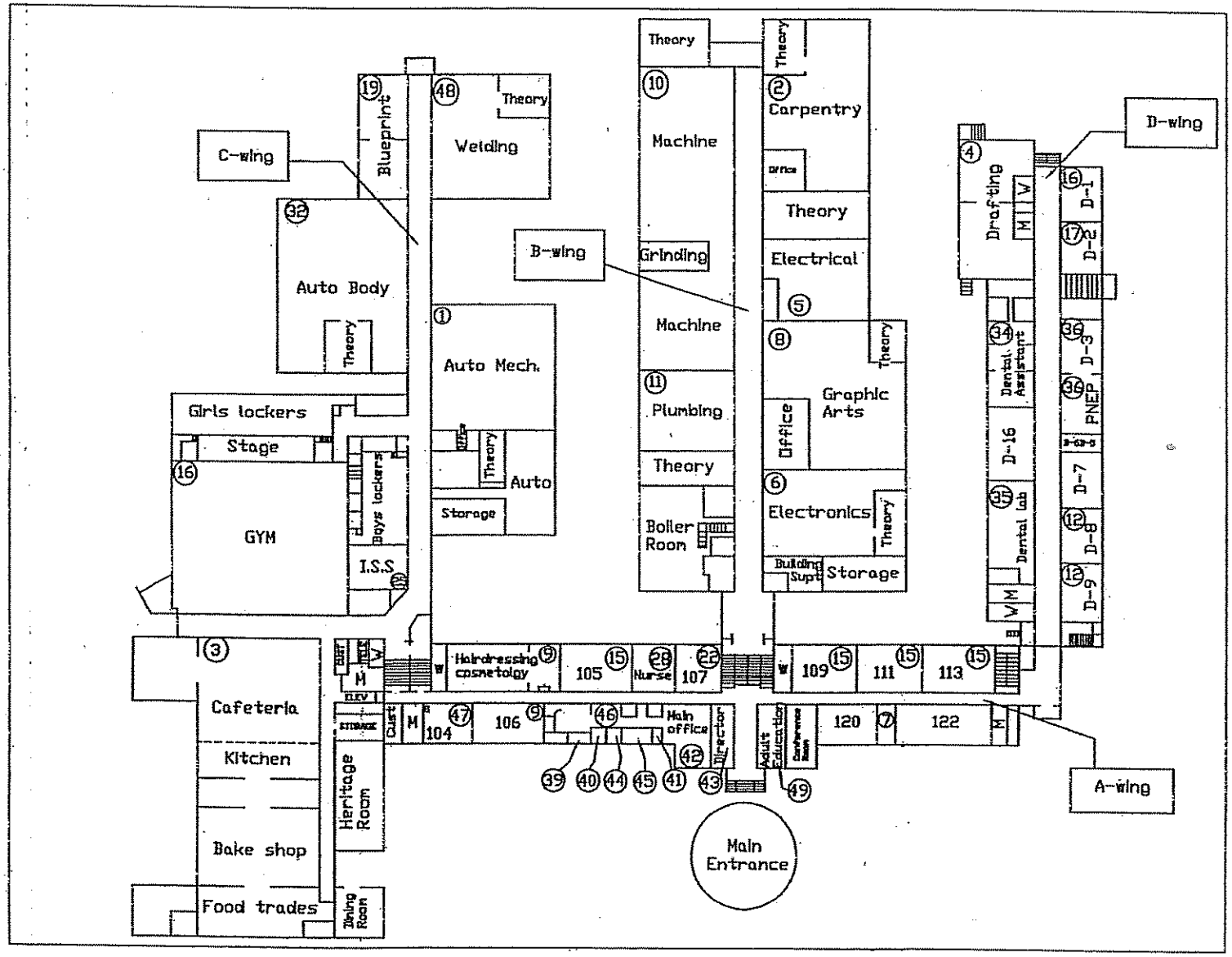
Inspector: Ronald Passaro Jr.

69	Room 5	D	Cabinet Door Out	Poor	Metal	0.01	NEG		
70	Room 6	A	Door	Poor	Wood	0	NEG		
71	Room 6	A	Door Jamb	Poor	Metal	0.03	NEG		
72	Room 6	A	Door	Poor	Wood	0	NEG		
73	Room 6	A	Door Jamb	Poor	Wood	0	NEG		
74	Room 6	A	Window Casing	Poor	Metal	0.06	NEG		
76	Room 6	C	Window Casing	Poor	Metal	0.01	NEG		
77	Room 6	C	Wall	Poor	Drywall	0.08	NEG		
78	Exterior	A	Door	Fair	Metal	0.02	NEG		
79	Exterior	A	Door Jamb	Fair	Metal	0	NEG		
80	Exterior	A	Window Casing	Poor	Metal	1.39	POS		
81	Exterior	A	Window Apron	Poor	Metal	0.32	NEG		
82	Exterior	A	Window Sash Ext	Poor	Metal	1.21	POS		
83	Calibrate					1.17	POS		
84	Calibrate					1.37	POS		
85	Calibrate					1.26	POS		

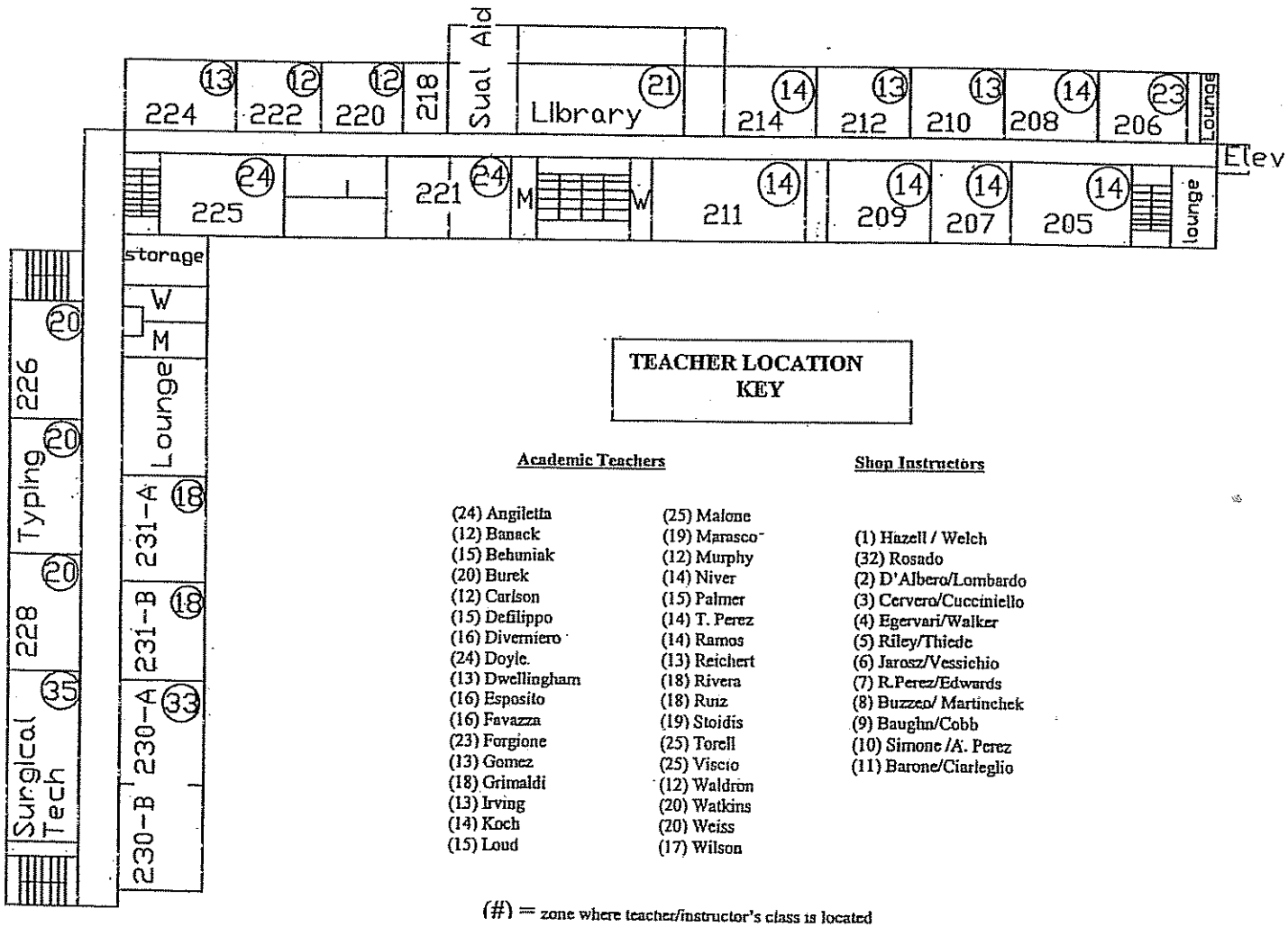
Project #: 3231

Eli Whitney

Room 1
Electrical
Room 2
Machine
Room 3
Welding
Room 4
Auto
Body
Room 5
Hair
Cosmology
Room 6
Fashion



* The Drafting Technology Sophomores (c/o 2004) created this map.



TEACHER LOCATION KEY

Academic Teachers

(24) Angiletta
(12) Banack
(15) Behuniak
(20) Burek
(12) Carlson
(15) Defilippo
(16) Diverniero
(24) Doyle.
(13) Dwellingham
(16) Esposito
(16) Favazza
(23) Forgione
(13) Gomez
(18) Grimaldi
(13) Irving
(14) Koch
(15) Loud
(25) Malone
(19) Marasco
(12) Murphy
(14) Niver
(15) Palmer
(14) T. Perez
(14) Ramos
(13) Reichert
(18) Rivera
(18) Ruiz
(19) Stoidis
(25) Torell
(25) Viscio
(12) Waldron
(20) Watkins
(20) Weiss
(17) Wilson

Shop Instructors

(1) Hazell / Welch
(32) Rosado
(2) D'Albero/Lombardo
(3) Cervero/Cucciniello
(4) Egervari/Walker
(5) Riley/Thiede
(6) Jarosz/Vessichio
(7) R.Perez/Edwards
(8) Buzzeo/ Martinchek
(9) Baughn/Cobb
(10) Simone /A. Perez
(11) Barone/Ciarleglio

(#) = zone where teacher/instructor's class is located

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Miscellaneous Hazardous Material Inventory

NOTE: The data and conclusions summarized in the following technical reports are provided for background information to the contractor only. Quantities of asbestos and other hazardous materials listed herein are approximate and are not to be used by the contractor for bidding or estimating purposes. Further, Contractor should be aware that the data in each report is current only to the issuance date of that report. Where any discrepancies exist between the information in the appended technical reports and the Project Documents, **the Project Documents govern in all cases**.

ELI WHITNEY TECHNICAL HIGH SCHOOL
MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[2]	EXIT SIGNS[3]	EMER. LIGHTS[4]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
A-WING											
GROUND FLOOR											
	MAIN CORRIDOR	35	70	4	6						NON-PCB BALLASTS
	MEN'S BATHROOM	4	8		1						
	CUSTODIAN CLOSET	1	2								
	WOMEN'S BATHROOM	4	8		1						
	CUSTODIAN CLOSET	1	2								
103	HAIR & COSMETOLOGY	24	48		1						
104	GUIDANCE OFFICES	8	16		1						NON-PCB BALLASTS
105	SOCIAL STUDIES CLASSROOM	15	30		1						NON-PCB BALLASTS
106	HAIR & COSMETOLOGY	15	30		1						
	NURSES' OFFICE	8	16		1						
107	DEAN OF STUDENTS	4	8		1						
108	NRZ/CDC OFFICE	2	8		1						
109	CLASSROOM	15	30		1						
110	MAIN OFFICE	40	80		3						

1 - CONTAIN PCB's UNLESS NOTED
2 - CONTAIN MERCURY
3,4 - CONTAIN BATTERIES WITH ACID ELECTROLYTE
5,6 - CONTAIN OIL
7 - CONTAIN FREONS
8,9 - CONTAIN MERCURY

REFER TO SECTION 02084

ELI WHITNEY TECHNICAL HIGH SCHOOL
MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[2]	EXIT SIGNS[3]	EMER. LIGHTS[4]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
A-WING											
GROUND FLOOR											
111	CLASSROOM	15	30		1						
113	CLASSROOM	15	30		1						
	ADULT EDUCATION	2	4								
120	CONFERENCE ROOM	6	12		1						
121	FASHION	21	42								
	FASHION LOCKER ROOM	2	4		1						
122	FASHION	36	72		1						
	STORAGE	2	4								
A-WING											
SECOND FLOOR											
	CORRIDOR	33	66	8	8						NON-PCB BALLASTS
203	SOCIAL WORKER	2	8								
204	OFFICE	5	10								

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REFER TO SECTION 02084

ELI WHITNEY TECHNICAL HIGH SCHOOL
MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[2]	EXIT SIGNS[3]	EMER. LIGHTS[4]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[7]	COMMENTS
A-WING											
SECOND FLOOR											
205	CLASSROOM	8	16								NON-PCB BALLASTS
206	SCIENCE CLASSROOM	12	24								
207	CHEMICAL LAB	15	30		1						NON-PCB BALLASTS
208	SCIENCE CLASSROOM	12	24								
209	CHEMICAL LAB	15	30		1						NON-PCB BALLASTS
	LAB EQUIPMENT	2	4								NON-PCB BALLASTS
210	MATH CLASSROOM	12	24								
211	CLASSROOM	8	16		1						
212	MATH CLASSROOM	12	24								
214	SCIENCE CLASSROOM	12	24								
	WOMEN'S BATHROOM	4	8								
	CUSTODIAN CLOSET	1	2								
	MEN'S BATHROOM	4	8								
	CUSTODIAN CLOSET	1	2								
	MEDIA CENTER	30	60	2	1						

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ELI WHITNEY TECHNICAL HIGH SCHOOL
MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[2]	EXIT SIGNS[3]	EMER. LIGHTS[4]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
A-WING											
SECOND FLOOR											
	MEDIA CENTER NORTH OFFICE	8	16								
	MEDIA CENTER SOUTH OFFICE	8	16								
216	AV DEPARTMENT	4	8								
218	BOOKSTORE	4	8								
220	ENGLISH CLASSROOM	12	24								
221A	READING CLASSROOM	12	24								
221B	SPECIAL EDUCATION	12	24								
222	LIFE SKILLS	12	24								
223	STORAGE/ READING	12	24								
224	LEARNING LOGIC	16	32								
225	READING CLASSROOM	16	32								

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ELI WHITNEY TECHNICAL HIGH SCHOOL
MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[2]	EXIT SIGNS[3]	EMER. LIGHTS[4]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
B-WING											
	CONNECTOR TO A-WING	2	4	2	2						
	MAIN CORRIDOR	20	40	4	8						
	MAINTENANCE SUPERINTENDENT	2	1								
	MAINTENANCE OFFICE	10	2								
	GARAGE/TRACTOR	4	2								
ELECTRONICS SHOP	ELECTRONICS SHOP	6	12	1	3				12	2	TWO MERCURY THERMOSTATS
PRINTING SHOP	PRINTING SHOP	10	20						14	2	TWO MERCURY THERMOSTATS
LITHOGRAPHY	LITHOGRAPHY	21	42	3	3					2	TWO MERCURY THERMOSTATS
ELECTRICAL SHOP	ELECTRICAL SHOP	7	14	2	4				15		
CARPENTRY SHOP	CARPENTRY SHOP	8	16	3	6				16	2	TWO MERCURY THERMOSTATS
	CARPENTRY SHOP (1980 PORTION)	34	68								NON-PCB BALLASTS

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REFER TO SECTION 02084

ELI WHITNEY TECHNICAL HIGH SCHOOL
MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[2]	EXIT SIGNS[3]	EMER. LIGHTS[4]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
B-WING											
	STAFF LOUNGE	2	4								
	BATHROOM	2	4								
	MAINTENANCE ROOM	1	2								
	BOILER ROOM	1	2	2	1	3				12	
PLUMBING SHOP	PLUMBING SHOP	21	42	1	1				7		
TOOL & DIE SHOP	TOOL & DIE SHOP	12	24	1	2				12		
MACHINE SHOP	MACHINE SHOP	24	48	1	4						
	MACHINE SHOP (1980 PORTION)	15	30		1						NON-PCB BALLASTS

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REFER TO SECTION 02084

ELI WHITNEY TECHNICAL HIGH SCHOOL
MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[1]	EXIT SIGNS[1]	EMER. LIGHTS[1]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
C-WING											
CAFETERIA WING	CORRIDORS	40	80	4	8						
	WOMEN'S BATHROOM	4	8								
	MEN'S BATHROOM	4	8								
	STORAGE	1	2								
	CUSTODIAN CLOSET	1	2								
	STORAGE	1	2								
	ELEVATOR MOTOR ROOM						1				
	FOOD STORAGE	4	8								
	FACULTY DINING ROOM	12	24		2						
	FACULTY DINING ROOM KITCHEN	5	10		1						
	DINING ROOM (1959 BUILDING)	30	60	3	4					1	
	DINING ROOM (1980 ADDITION)	10	20	1	1						NON-PCB BALLASTS
	KITCHEN (1959 BUILDING)	31	62	2	2					2	

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REFER TO SECTION 02084

ELI WHITNEY TECHNICAL HIGH SCHOOL
MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[1]	EXIT SIGNS[3]	EMER. LIGHTS[4]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
C-WING											
CAFETERIA WING	MEN'S LOCKER ROOM	2	4								
	WOMEN'S LOCKER ROOM	2	4								
	KITCHEN/BAKERY	38	76	2	1						NON-PCB BALLASTS
	KITCHEN	32	64	3	2					1	NON-PCB BALLASTS
	CULINARY THEORY	8	16	1	1						NON-PCB BALLASTS
	STORAGE										NON-PCB BALLASTS
	OFFICE	5	10			3					NON-PCB BALLASTS
	STORAGE	2	4							3	NON-PCB BALLASTS
	COMPUTER ROOM	1	2	1	1						NON-PCB BALLASTS
GYMNASIUM WING	CORRIDOR	46	92	8	5						
	GYMNASIUM			8	10				34	5	
	STORAGE	1	2								
	MEN'S LOCKER ROOM	11	22								
	STAGE								8		
	STAGE STORAGE	1	2								
	WOMEN'S LOCKER ROOM	10	20	4	2						
	GYM STORAGE	1	2								

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REFER TO SECTION 02084

ELI WHITNEY TECHNICAL HIGH SCHOOL
MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[1]	EXIT SIGNS[2]	EMER. LIGHTS[2]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
	IN-SCHOOL SUSPENSION	9	18	1							

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MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[1]	EXIT SIGNS[1]	EMER. LIGHTS[1]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
C-WING											
AUTO REPAIR SHOP	AUTO LAB	46	92	4	12	4	2		36	2	
AUTO BODY SHOP	AUTO BODY SHOP	44	88	2	3	2	2		14		10 SMALL PCB CAPACITORS IN GALVANOMETER
WELDING SHOP	WELDING SHOP	21	42	2	2				13		
	BLUEPRINT READING ROOM	40	80		2	2	2				COMPRESSORS/HYDRAULICS ASSOC. W/ AIR HANDLERS
D-WING											
GROUND FLOOR											
	CORRIDOR	38	76	5	3						
D-1A	DRAFTING	50	100	1					2		
D-1B	DRAFTING	50	100	1					2		
	SOUTH WOMEN'S RESTROOM	2	4								
	SOUTH MEN'S RESTROOM	2	4								
	SOUTH JANITOR'S CLOSET	1	2								

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ELI WHITNEY TECHNICAL HIGH SCHOOL
MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[1]	EXIT SIGNS[2]	EMER. LIGHTS[2]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
D-WING											
GROUND FLOOR											
D-1	BILINGUAL CLASSROOM	18	36		2						
D-2	ART DEPARTMENT	18	36		2						
D-3	LPN CLINICAL LABORATORY	24	48		1			2			
	OFFICE	4	8			2					
	BREAKROOM	6	12		1						
D-4	LPN THEORY	15	30					1			
D-5	OFFICE	2	4								
D-6	STORAGE	2	4								
D-7	LPN DEMO. ROOM	24	48		1	2	2	3			COMPRESSORS/HYDRAULICS ASSOC. W/ AIR HANDLERS
D-8	BILINGUAL CLASSROOM	21	42								
D-9	LIFE SKILLS	21	42								
	COPIER ROOM	2	4								
	NORTH WOMEN'S RESTROOM	2	4								
	PIPE CHASE BET. BATHROOMS										

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REFER TO SECTION 02084

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MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[1]	EXIT SIGNS[3]	EMER. LIGHTS[4]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
D-WING											
GROUND FLOOR											
	NORTH MEN'S RESTROOM	2	4								
	NORTH JANITOR'S CLOSET										
	STORAGE	1	2								
D-14	OFFICE	2	4								
D-15	DENTAL TECHNICIAN LAB	21	42		1						
D-16	DENTAL TECH. THEORY	18	36								
D-17	DENTAL CLASS AND LAB	21	42								
D-18	DENTAL OFC. CONF. ROOM										
DENTAL OFFICES	DENTAL OFFICES	21	42								

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MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[1]	EXIT SIGNS[3]	EMER. LIGHTS[4]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
D-WING											
SECOND FLOOR											
	CORRIDOR	21	42	4	5						NON-PCB BALLASTS
226	MATH LAB	20	40								NON-PCB BALLASTS
227	COMPUTER TECHNOLOGY	27	54					3			NON-PCB BALLASTS
228	COMPUTER TECHNOLOGY	27	54								NON-PCB BALLASTS
	SURGICAL TECHNOLOGY	42	84		2				14		HID LAMPS IN SURGICAL LIGHTS
	BREAK ROOM/OFFICE	6	12								NON-PCB BALLASTS
230A	C.N.A.	15	30								NON-PCB BALLASTS
230B	C.N.A.	15	30								NON-PCB BALLASTS
231A	ENGLISH CLASSROOM	21	42								NON-PCB BALLASTS
231B	ENGLISH CLASSROOM	21	42								NON-PCB BALLASTS
	LOUNGE	20	40			2					NON-PCB BALLASTS
	WOMEN'S BATHROOM	4	8								NON-PCB BALLASTS
	CUSTODIAN CLOSET	1	2								NON-PCB BALLASTS
	MEN'S BATHROOM	4	8								NON-PCB BALLASTS
	STORAGE	1	2								NON-PCB BALLASTS

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MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[1]	EXIT SIGNS[3]	EMER. LIGHTS[4]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
STAIRWELLS											
A-WING	A-WING EAST STAIRWELL	4	8	2	2						
	A-WING CENTRAL STAIRWELL	10	20	3	7						
	A-WING WEST STAIRWELL	4	8	3	3						
D-WING	NORTH STAIRWELL	8	16	1	3						
D-WING	SOUTH STAIRWELL	8	16	1	3						
PIPE TUNNELS											
A-WING											
B-WING											
C-WING											
D-WING											

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MISCELLANEOUS HAZARDOUS MATERIALS INVENTORY

LOCATION		BALLASTS[1]	FLUORESCENT TUBES[1]	EXIT SIGNS[2]	EMER. LIGHTS[4]	COMPRESSORS[5]	HYDRAULICS[6]	AC UNITS[7]	HID LAMPS[8]	THERMOSTATS[9]	COMMENTS
EXTERIOR	SW GARAGE	50	300			3	3				
	SC GARAGE										
	NORTH SIDE OF SCHOOL								2		
	EAST SIDE OF SCHOOL								11		
	WEST SIDE OF SCHOOL								1		
	SOUTH SIDE OF SCHOOL								10		
TOTALS		1961	4103	99	166	23	12	9	223	34	

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REFER TO SECTION 02084

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BI-RT-837 Whitney – SICP Cover Letter to EPA-06-28-11

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC WORKS

Jonathan P. Holmes
Acting Commissioner

June 28, 2011

Kimberly N. Tisa
Region 1 PCB Administrator
United States Environmental Protection Agency
1 Congress Street, Suite 1100-CPT
Boston, MA 02114-2023

Via Mail

Re: Self-Implementing Cleanup Plan
Eli Whitney Technical High School
71 Jones Road, Hamden, CT

Dear Ms. Tisa:

Attached please find the Self-Implementing Cleanup Plan for the Eli Whitney Technical High School in Hamden, Connecticut. This remedial plan was prepared by TRC Environmental (TRC) on behalf of the Connecticut Department of Public Works (DPW). The DPW is administering the remediation, renovation, demolition, and construction activities on behalf of the Connecticut Department of Education and Connecticut Technical High School System.

The DPW will be selecting the Construction Manager to perform the remediation, renovation, demolition, and construction efforts by September 2011. Thus, as timely as possible of a review is requested so that an approved remedial plan can be provided to the Construction Manager for this work.

If you have any questions, comments, or concerns, please feel free to contact me at 860-713-5762 or via email at rebecca.cutler@ct.gov.

Sincerely,

Rebecca Cutler
Environmental Analyst
Connecticut Department of Public Works

CC: Lori Saliby, CTDEP
Gary Trombly, CTDEP
Bridget Heston, Principal, Eli Whitney Technical High School
Scott D. Jackson, Mayor, Town of Hamden
Al Richmond, CTDOE
John Woodmansee, CTDOE
Natalina Raimondi, CTDPW
Joseph Cassidy, CTDPW

Attachments

00 31 26.32

BI-RT-837 Whitney-

Final SICP 06-09-11

SELF-IMPLEMENTING CLEANUP PLAN
ELI WHITNEY TECHNICAL
HIGH SCHOOL

DPW Project BI-RT-837

Site Location

71 Jones Road
Hamden, CT

Prepared For

Connecticut Department of Education

Connecticut Technical High School System
And
Connecticut Department of Public Works

Prepared By

TRC Environmental Corporation
Windsor, Connecticut

June 2011

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TRC Project No. 180012.1000.0000
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1.0 INTRODUCTION

TRC Environmental Corporation (TRC) has prepared this Self-Implementing Cleanup Plan (SICP) for use by the Connecticut Department of Public Works (CT DPW) in conducting site remediation tasks prior to the performance of site renovation and demolition tasks at the Eli Whitney Technical High School (Site or Whitney Tech) located at 71 Jones Road in Hamden, Connecticut. The Site, which is part of the Connecticut Technical High School System, is owned by the Connecticut Department of Education (CT DOE). The CT DPW will have contract oversight for the work contained in this SICP and, therefore, will be responsible for the cleanup. Correspondences of final approvals or actions should be addressed to:

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The goal of Site remediation detailed in this SICP is to achieve compliance with applicable federal regulations as stated in 40 CFR §761.61(a), §761.61(c), §761.62(a), and 761.79(h). An additional goal is to achieve compliance with the applicable state regulations as stated in the Regulations of Connecticut State Agencies (RCSA) Sections 22a-133k-1 through 22a-133k-3 (Remediation Standards Regulations), inclusive, and Sections 22a-463 through 22a-469, inclusive of the Connecticut General Statutes, governing Polychlorinated Biphenyls (PCBs). This SICP only

addresses environmental issues related to PCBs and includes an outline of the approach and procedures that Contractors will follow to ensure achievement of the remedial objectives.

Federally Regulated Building Materials: Specifically, the remedial goals for the Site to achieve compliance with the federal regulations are as follows:

- To remove all ≥50 ppm PCB-containing caulk and window glazing classified as PCB Bulk Product Wastes and to remove ≥1 ppm PCB-containing adjacent porous building materials coated with PCB-containing caulk from buildings that are scheduled for demolition/renovation prior to performance of these activities;
- To perform sufficient sampling of building substrates to allow for pre-verification of building materials in contact with PCB Bulk Product Wastes and demonstrate compliance with the applicable federal regulations prior to the removal efforts;
- To remove all soil adjacent to the buildings with total PCB concentrations ≥1 mg/kg contaminated by releases from PCB Bulk Product Wastes and classified as PCB Remediation Wastes; and
- To perform sufficient verification soil sampling following soil removal efforts to demonstrate compliance with the applicable federal regulations.

Non-Federally Regulated Building Materials (Excluded PCB Products): An additional remedial goal for the Site is to remove PCB-containing caulks and glazings with total PCB concentrations ≥1 mg/kg and <50 mg/kg that are classified as Excluded PCB Products, and not federally regulated. These caulks and window glazings will be disposed of as Connecticut (CT) Regulated Waste. As discussed in Appendix A, sampling data indicate no impacts to either the adjacent building substrates or to associated soils from Non-Federally Regulated Building Materials; therefore, no further investigation or remediation is proposed for building substrates or soil in these areas. The CT DEP and CT DPH have concurred with the proposed Scope of Work as described in Appendix A.

1.1 Site Description and Location

Whitney Tech, built in 1954 and located in Hamden, Connecticut (see Figure 1 for aerial view of the site), is part of the Connecticut Technical High School System which provides students in grades 9-12 the opportunity to take courses in trades and technology as well as the

more typical high school academic courses. Trade courses are currently offered in culinary arts, hairdressing/barbering, carpentry, electrical, plumbing and heating, manufacturing technology, automotive technology, graphics technology, computer-aided drafting and design, fashion merchandising and entrepreneurship and health technology. In addition, Post-Secondary Programs are offered in Certified Nurse Assistant, Licensed Practical Nursing, and Surgical Technology.

The Site is located in a residential neighborhood consisting of single-family dwellings and apartments. Most of the Site is covered with buildings and asphalt with athletic fields located on the far southern portion of the property. There are no stream courses or wetlands located within the property boundary or immediately surrounding the site and storm water runoff is removed from the site through a sewer system.

1.2 Building Construction and Renovation History

Original construction was performed in 1954, which included the "A" and "B" Wings. Renovation and construction activities at Eli Whitney were mainly focused on additions to the school until 1978. Major renovation programs were performed in 1958, 1969, 1972 and 1978 but information available is not considered to be complete. The locations of these renovation/addition activities are shown on a site plan, Figure 2, and a more detailed description is as follows:

- 1954 (BI-R-80) – Original construction, now known as A-Wing, B-Wing, and Boiler Room within B-Wing.
- 1958 (BI-RT-132) – Addition of most of the C-Wing including the Health, Music, Lecture, Storage, and Boy's Gym Apparatus rooms.
- 1969 (BI-RT-445) – New concrete paving and curbs, construction of addition onto B-Wing and C-Wing and construction of the first floor of D-Wing.
- 1972 (BI-RT-76) – Construction of the service building and two additions onto the D-Wing which house the Health Technology department, Welding shop, and Life Skills department. These additions meant replacing existing ramps and constructing new ones as well as removing present window sashes and blocking up the opening with concrete block and brick.

- 1979 (BI-RT-278) - Addition of a second-story on the D-Wing which included construction of two stairwells. Construction of additions which included a cafeteria, bakery, and kitchen for the culinary arts department on the C-Wing as well as the Loading Dock on the B-Wing, and a new flagpole foundation. Minor renovations for lighting in Wings C and B were also performed.

Review of construction drawings and associated files found that most of the renovation activities at the Site were focused upon the construction of new additions. The limited renovation activities performed on existing structures focused upon lighting additions and replacement. No documentation was found indicating that caulks and glazings were removed and replaced at any time.

As shown on Figure 2, Whitney Tech is divided into four wings, A through D. The A-Wing is a two-story structure that houses administrative offices and classrooms with approximately 38,400 square feet (SF) of space. The B-Wing, a one-story structure of approximately 37,200 SF, houses shops and support facilities such as the boiler room. The C-Wing houses the gym, cafeteria, and shop and class rooms and is approximately 39,900 SF. The D-Wing is a two-story structure that primarily houses class rooms and has approximately 60,300 SF of space. In total, Whitney Tech has 175,800 SF of floor space.

1.3 Description of Planned Renovation Activities

Planned renovation activities include the removal of exterior and many interior walls of the building in each of the wings and limited construction of additions to the building. These renovations will leave little of the original construction materials in place and will be performed in a phased manner.

The facility will be in active use during renovation activities and students, faculty, and administrative staff will be onsite during construction. However, as each phase is executed, the area to be renovated will be evacuated and materials removed prior to the performance of any construction activities. Each renovation area will be secured in a manner that will prevent access to these areas by unauthorized personnel throughout the project.

2.0 SAMPLING PROGRAM DESCRIPTION

Initial building surveys and representative sampling of building materials were performed in December 2009 to categorize interior and exterior caulks and glazings at the Site. In addition to this sampling, additional building surveys and sampling work was performed to ensure that all caulks and glazes at the Site were characterized and that their locations were known with a high level of accuracy. Analytical data reports for all sampling, initial building survey and follow-on sampling programs are included in Appendix B.

Subsequent to this sampling, additional investigations were performed to determine PCB concentrations within building materials (substrates) adjacent to areas with PCB Bulk Product Wastes and to characterize the extent of impacts to soil or other surface cover materials that may have been affected by flaking or deteriorating PCB Bulk Product Wastes along building exterior surfaces.

All of the caulk and glazing analytical results are presented in Table 1 and the sampling data for building materials adjacent to caulks and glazes (substrates) are presented in Table 2. Sampling data for surface cover materials which include mostly asphalt and limited areas of soil and concrete are presented in Table 3. Figure 3 shows the sampling locations for surface cover materials. The locations for all of the building materials identified in building surveys as PCB Bulk Product Wastes are shown in Figures 4 through 10.

2.1 Caulk and Glazing Sampling and Results

On December 28 and 29, 2009, TRC surveyed buildings at the Site and collected interior and exterior caulk and glazing samples. Sampling methodology involved collecting a single grab sample per homogenous material type identified by completely removing the caulk and the glazing from the location, completely exposing the joint and inspecting both the sample and joint to determine if there were any other materials present at the location, ensuring that each sample was of a single, homogeneous material. Building surveys were performed following techniques generally employed in the Building Sciences industry to identify, locate and sample homogeneous building materials (i.e. Asbestos Hazard Emergency Response Act [AHERA] asbestos sampling guidelines). All major

construction was performed prior to the federal ban on PCB use; therefore no portions of the buildings were excluded in the scope of the survey.

Caulk and glazing samples were assigned a unique number designation that reflected the characteristics of the material being sampled (e.g. IE3 = interior expansion joint caulk; IDC4 = interior door caulk). The samples were analyzed using the Environmental Protection Agency (EPA) Methods 8082/3540C (PCB analysis with soxhlet extraction) by a State of Connecticut approved laboratory.

Based on the laboratory analytical results for the caulk and glazing samples, the caulk and glazing samples were grouped into one of four categories as described in the sections which follow.

2.1.1 PCB Bulk Product Waste

All caulk and glazing samples with total PCB concentrations ≥50 mg/kg were included in the PCB Bulk Product Waste category. As shown in Table 1, a total of three exterior caulks (E1, E2, and C2), five interior caulks (IDC4, IE3, IC4, IC5 and IC9), two exterior window glazes (G4 and G7), and three interior window glazes (IG7, IG8 and IG21) met the PCB Bulk Product Waste criteria.

The areas identified as containing PCB Bulk Product Waste based upon sample results of homogenous materials are shown on Figures 4 through 10 and a description of the caulks and glazes is provided in Table 1.

Of the thirteen PCB Bulk Product Wastes, PCB concentration frequencies are as follows:

- Two of the thirteen samples (both exterior glaze materials) have total PCB concentrations > 50 mg/kg but < 1,000 mg/kg;
- Eleven of the thirteen samples have total PCB concentrations >1,000 mg/kg but < 100,000 mg/kg; and
- One of the thirteen samples has a total PCB concentration >100,000 mg/kg.

2.1.2 PCB Remediation Waste

No evidence of re-caulking was found at any of the sample locations. Thus, none of the building caulks or glazings were determined to be PCB Remediation Waste.

2.1.3 Excluded PCB Products

Building caulks and glazes were determined to be Excluded PCB Products (not federally regulated) if the in-situ total PCB concentration was between ≥1 mg/kg and <50 mg/kg and if it could be determined that the caulk was original and that the total PCB concentration had not been modified by subsequent activities. As discussed in Section 2.1.2, all of the building caulks were determined to be original to building construction and there was no evidence that subsequent renovations had modified original caulk. Thus, out of the seventy-five building caulks and glazes sampled, twenty-four were determined to be Excluded PCB Products.

The CT DPW and CT DOE have coordinated with the CT DEP and CT DPH to develop a scope of work to remove all caulks and glazings with total PCB concentrations ≥1 mg/kg and <50 mg/kg (see Appendix A). The location of the materials classified as non-federally regulated PCB products are shown on Figures A1 through A7 and a description of the caulks and glazes, as well as the analytical data, are found in Table 1. Further discussion regarding the handling of these materials during the planned demolition and renovation activities is included as Appendix A.

2.2 Building Material Substrate Sampling and Results

Building material substrate samples were collected in a manner that would allow for determination of the effectiveness of the proposed removal activities. Proposed removal activities include the complete removal of PCB Bulk Product Wastes and a portion of the adjacent building substrates sufficient to meet the remedial objective PCB concentration of <1.0 mg/kg. No substrate sampling was conducted in areas where glazing met glass and unpainted metal as these are considered non-porous surfaces and planned renovation activities call for complete removal of the windows and/or doors where these materials are present. In these cases, the entire window/door and frame will be removed and disposed of based on the PCB

concentration detected in the caulks and glazing.

Samples were collected following the EPA Region 1 Standard Operating Procedure for Sampling Concrete at each of the locations. Samples were extracted and analyzed using EPA Methods 3540C and 8082, respectively, and all analytical results were reported on a dry weight basis.

Substrate samples were assigned a unique number designation that reflected the PCB Bulk Product Waste in contact with the substrate material, the wing of the building where the substrate sample was collected, and the distance from PCB Bulk Product Waste that the sample was collected. For example:

IE3-C5-36″

IE3 = Interior off-white expansion joint caulk (PCB Bulk Product Waste ID number)
C5 = Building Wing and sequential sample from that wing
36″ = Distance from the caulk that the sample was collected.

For horizontal window caulks in contact with CMU block, the following sample nomenclature was used:

IC4-D57-2C

IC4 = Interior grey rubbery caulk along window and wall (PCB Bulk Product Waste ID number)
D57 = Building Wing and sequential sample from that wing
2C = Distance from the caulk that the sample was collected, for CMU block this number represents the courses of block. Thus, 2C means the sample was collected two courses (or blocks) down from the caulk/sill interface.

2.2.1 Interior Building Material Substrates

As shown in Table 2, analytical results for the interior building material substrate samples indicate that PCBs are present in the adjacent building materials where interior caulks IDC4, IE3, IC4, IC5 and IC9 are located. The detected concentrations of PCBs in the adjacent substrates are >1.0 mg/kg, but no greater than 12.0 mg/kg, requiring removal and verification sampling.

2.2.2 Exterior Building Material Substrates

As shown in Table 2, analytical results for the exterior building material substrate samples indicate that PCBs are present in the adjacent building materials where exterior caulks E1, E2, and C2 are located. Of the three exterior caulks, only building material substrates adjacent to E2 exhibited concentrations of PCBs >1.0 mg/kg. Thus, building substrates adjacent to E2 will require removal and verification sampling.

2.2.3 Unrestricted Building Material Substrates

Building material substrates in contact with PCB Bulk Product Wastes or non-federally regulated PCB-containing building materials and with concentrations <1.0 mg/kg are considered unrestricted materials. Building substrate materials in contact with non-federally regulated PCB-containing building materials were sampled to determine if PCBs were present (see Appendix A). Three caulks, C9, IE4, and IC1, were selected for substrate sampling as they represented the highest PCB concentrations among the non-federally regulated materials and would thus provide a conservative assessment of the presence/absence of PCBs in these materials. Glazes were not included in this sample group as they will be removed along with the non-porous materials with which they are in contact.

For all three of the caulks, samples were collected at the point of contact between the caulk and the building materials by removing the caulk from the joint until it was visibly clean and then following the EPA Region 1 SOP for Sampling Concrete. All of the samples from the point of contact were non-detect for PCBs with detection limits less than 0.07 mg/kg. Thus, for the non-federally regulated materials there is considered to be no evidence of PCBs in the surrounding

porous materials and no additional substrate removal or verification sampling is proposed. See Appendix A for further discussion of non-federally regulated PCB-containing building materials.

2.2.4 Pre-Verification of Building Material Substrates

Building material substrate samples were further collected in a manner that would allow for pre-verification of building substrate materials in contact with PCB Bulk Product Wastes, such that verification sampling during remediation/construction would not be required, as the proposed quantity of substrate removal would be "pre-verified". In order to pre-verify building substrates and demonstrate compliance with Federal PCB regulations, a substrate sampling program was designed around five criteria developed between TRC and EPA Region 1 as specified below.

1) Pre-verification samples of building substrates should be collected at a frequency of approximately 1 sample per every 50 linear feet (LF.) of cutline surface to be exposed during remediation. (e.g. if there is a total of 485 LF. of joint caulk, which is a PCB Bulk Product Waste, and removal of the contaminated substrate associated with the caulk requires vertical cuts on either side of the joint, the resulting exposed cut line surface would be 970 LF.)

2) None of the pre-verification samples at the proposed cut line distance should exhibit PCB concentrations ≥1.0 mg/kg.

3) The average total PCB concentration of all pre-verification substrate samples collected for each PCB Bulk Product Waste at the proposed cut line distance should be approximately 0.5 mg/kg or less.

4) The number of pre-verification substrate samples where the total PCB concentration is less than the reporting limit (or <0.1 mg/kg for lower laboratory reporting limits) should be at least 30% of the total number of pre-verification substrate samples at the proposed cut line distance.

5) Substrate samples should be collected so as to provide data between the PCB Bulk Product Waste location and the proposed cut line "pre-verification" point where total PCB concentrations are <1.0 mg/kg to demonstrate that the PCB concentrations in the substrate materials are at the remedial goal (i.e. there should be a "buffer zone" of substrate materials that meet the remedial goal where the point of verification is reached).

Representative samples of building material substrates were collected on October 23 to 25, 2010, December 28 to 30, 2010, January 6, 22, and 23, 2011, and February 6, 2011. Substrate samples were collected at designated distances from each PCB Bulk Product Waste by measuring the distance from the caulked seam and then marking a line parallel to the caulked seam on the building materials to be sampled. The pre-verification samples were collected following the EPA Region 1 Standard Operating Procedure for Sampling Concrete at each of the locations and to a surface depth of ½-inch. Samples were extracted and analyzed using EPA Methods 3540C and 8082, respectively, and all analytical results were reported on a dry weight basis. This process was repeated until it could be demonstrated that at the proposed cut line distance each building substrate had achieved compliance (i.e. PCB concentrations were found to be <1.0 mg/kg), and the above "pre-verification" criteria had been met.

Due to the devised pre-verification sampling protocol for building substrates, it was an iterative process and had limited benefit. The first step in the process was to determine, with reasonable confidence, the distance from each PCB Bulk Product Waste where PCB concentrations were <1.0 mg/kg. The distances from each PCB Bulk Product Waste to the point of compliance was determined through sampling and laboratory analysis of substrates. Once it was determined how far from each PCB Bulk Product Waste the point of compliance was, the linear feet of cut line could be determined, and the number of pre-verification samples needed to meet the first of the five criteria discussed above could be calculated. Table 2 summarizes the analytical results for each of the substrate samples, describes their location within the building, and identifies the adjacent PCB Bulk Product Waste each of the substrates is in contact with.

Table 4 provides a statistical analysis of the building substrate verification samples of the pre-verification approach to substrate sampling. A discussion of pre-verification substrate sampling for each of the identified PCB Bulk Product Wastes is presented as follows.

IDC4

IDC4 is a grey, interior door caulk that exhibits PCB concentrations between 43,000 and 53,800 of mg/kg, and is found in Wings B, C and D as shown on Figures 6, 7, and 9[1]. IDC4 is found where metal door frames meet an adjacent concrete block wall, and therefore only the adjacent concrete substrate was sampled as the planned renovation activities call for the complete removal of door and metal doorframe. Through sampling and laboratory analysis it was determined that the point of compliance for substrates adjacent to IDC4 is 48-inches as indicated on Table 2. Removal of IDC4 and 48-inches of adjacent substrates at each location would require cut lines totaling approximately 100 LF.

- Based on the total linear feet of cut (100), and the frequency of verification sampling required by EPA (1 sample per every 50 LF of cut), two pre-verification substrate samples (IDC4-D42-48″ and IDC4-D44-48″) were collected, and the first of the five pre-verification criteria was met;
- As shown in Table 2, the detected PCB concentrations in the samples were <1.0 mg/kg, therefore the second of the five pre-verification criteria was met;
- As shown in Table 4, the average PCB concentration for the IDC4 pre-verification substrate samples is <0.5 mg/kg, therefore the third of the five pre-verification criteria was met;
- PCBs were present at concentrations above the reporting limits in the substrate samples collected and none of the samples exhibited PCB concentrations <0.1 mg/kg, therefore the fourth pre-verification criterion has not been met. However, the average and maximum PCB concentrations in the pre-verification samples, 0.41 mg/kg and 0.578 mg/kg respectively, are below the remedial standard of 1.0 mg/kg; and
- Two substrate samples (IDC4-D41-36″ and IDC4-D43-36″) were collected from an area inside the proposed cut lines and both samples exhibit PCB concentrations <1.0 mg/kg, indicating a "buffer zone" is present. Therefore, compliance with the fifth pre-verification criterion is demonstrated.

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[1] During the initial building surveys and sampling events, an internal door caulk, IDC8 was identified within Wing D. This material exhibited the same physical characteristics, was installed within the same time-frame, and exhibited the same PCB concentrations as IDC4. For these reasons IDC8 has been grouped together with IDC4 as the materials are considered homogeneous.

Although all of the pre-verification criteria were not fully satisfied, removal of IDC4 and 48-inches of adjacent substrates appears sufficient to remove the PCB Bulk Product Wastes and associated substrate from these areas. No additional verification sampling is planned for IDC4.

IC4

IC4 is a grey, rubbery interior window caulk that exhibits a PCB concentration of 53,000 mg/kg and is found in Wings B and D. IC4 is found where the window frame meets a limestone sill and CMU block wall, and therefore only the adjacent sill and CMU block wall were sampled as the planned renovation activities call for the complete removal of the windows and associated metal frame. Through sampling and laboratory analysis the point of compliance for substrates adjacent to IC4 could not be determined due to restrictions, leaving a data gap as indicated on Table 2. Therefore, removal of IC4 and adjacent CMU would require cut lines totaling approximately 597 LF.

Based on the total linear feet of cut (597), and the frequency of verification sampling required by EPA (1 sample per every 50 LF of cut), twelve pre-verification substrate samples would be required. However, due to access restrictions and the presence of heating units in most locations where IC4 is found, the number of pre-verification substrate samples could not be met. Therefore, the proposal is to remove at least one (1) course of CMU and conduct verification sampling (1 sample per every 50 LF, or 12 samples) during remediation for substrate adjacent to IC4.

IC5

IC5 is a dark brown, rubbery interior door caulk that exhibits a PCB concentration of 54,000 mg/kg and is found in Wings C and D, as shown on Figures 7 and 9. IC5 is found where metal window and door frames meet an adjacent concrete block wall (CMU), and therefore only the adjacent concrete substrate was sampled as the planned renovation activities call for the complete removal of the window/door and frame system. Through sampling and laboratory analysis it was determined that the point of compliance for substrates adjacent to IC5 is 9-inches, as indicated on Table 2. Removal of IC5 and 9-inches of CMU block would require cut lines totaling approximately 83 LF. Based on the total linear feet of cut (83), and the frequency of verification sampling required

by EPA (1 sample per every 50 LF of cut), two pre-verification substrate samples (IC5-D-9″ and IC5-D45-9″) were collected, and the first of the five pre-verification criteria was met;

- As shown in Table 2, the detected PCB concentrations in the samples were <1.0 mg/kg, therefore the second of the five pre-verification criteria was met;
- As shown in Table 4, the average PCB concentration for the IC5 substrate samples is approximately 0.5 mg/kg, therefore the third pre-verification criterion was met;
- PCBs were present at concentrations above the reporting limits in the substrate samples collected and none of the samples exhibited PCB concentrations <0.1 mg/kg, therefore the fourth pre-verification criterion has not been met. However, the average and maximum PCB concentrations in the pre-verification samples, 0.542 mg/kg and 0.693 respectively, are below the remedial standard of 1.0 mg/kg; and
- One substrate sample, IC5-D-6″ was collected from an area inside the proposed cut lines and exhibited PCB concentrations <1.0 mg/kg, indicating a "buffer zone" is present. Therefore, compliance with the fifth pre-verification criterion is demonstrated.

Although all of the pre-verification criteria were not fully satisfied, removal of IC5 and 9 inches of adjacent substrate or one (1) course of CMU, whichever is greater, appear sufficient to remove the PCB Bulk Product Wastes and associated substrate from these areas. No additional verification sampling is planned for IC5.

IC9

IC9 is a tan interior door caulk that exhibits a PCB concentration of 43,200 mg/kg and is found only in Wing D. IC9 is found where metal door frames meet an adjacent concrete block wall, and therefore only the adjacent concrete substrate was sampled as the planned renovation activities call for the complete removal of the window/door and frame system. Through sampling and laboratory analysis it was determined that the point of compliance for substrates adjacent to IC9 is 30-inches, as indicated on Table 2. Removal of IC9 and 30-inches of CMU block would require cut lines totaling approximately 25 LF.

- Based on the total linear feet of cut (25), and the frequency of verification sampling required by EPA (1 sample per every 50 LF of cut), one pre-verification substrate sample (IC9-D56-30″) was collected, and the first of the five pre-verification criteria was met;

- As shown in Table 2, the detected PCB concentration in the pre-verification sample was <1.0 mg/kg, therefore the second of the five pre-verification criteria was met;

- As shown in Table 4, the average PCB concentration for the IC9 substrate sample is <0.5 mg/kg, therefore the third pre-verification criterion was met;

- PCBs were present at a concentration above the reporting limit in the substrate sample collected and the concentration was >0.1 mg/kg, therefore the fourth pre-verification criterion has not been met. However, since only one sample was required to meet the frequency, the detected PCB concentration in the pre-verification sample is well below the remedial standard of 1.0 mg/kg; and

- One substrate sample, IC9-D55-24″ was collected from an area inside the proposed cut lines and exhibited PCB concentrations <1.0 mg/kg, indicating a "buffer zone" is present. Therefore, compliance with the fifth pre-verification criterion is demonstrated.

Although all of the pre-verification criteria were not fully satisfied, IC9 only occurs in a small portion of the building and removal of IC9 and 30 inches of adjacent substrate or two (2) courses of CMU, whichever is greater, appear sufficient to remove the PCB Bulk Product Waste and associated substrate from this area. No additional verification samples are planned for IC9.

IE3

IE3 is off-white, interior expansion joint caulk that exhibits a PCB concentration of 110,000 mg/kg and is found in Wing B, C and D. IE3 is found in expansion joints throughout Whitney Tech as indicated on Figures 6, 7, 9 and 10, and in all cases was observed between two porous CMU block surfaces.

Through sampling and laboratory analysis the point of compliance for the removal of substrates adjacent to IE3 could not be determined due to restrictions, leaving a data gap as indicated on Table 2. Therefore, the proposal is to remove one course of CMU on either side of each caulked joint, resulting in 970 LF of cuts. The proposed verification sampling (1 sample per every 50 LF)

under this approach would require the collection of twenty substrate samples during remediation for substrate adjacent to IE3.

E1

E1 is a grey, rubber expansion joint caulk that exhibits a concentration of 85,000 mg/kg and is found along the exterior walls of Wings A and C. E1 is found between vertical brick expansion joints. Through sampling and laboratory analysis it was determined that the point of compliance for substrates adjacent to E1 is 12-inches, as indicated on Table 2. Removal of E1and 12-inches of brick would result in cut lines totaling approximately 450 LF.

- Based on the total linear feet of cut (450), and the frequency of verification sampling required by EPA, nine pre-verification substrate samples (E1-A1-12″, E1-A3-12″, E1-A4-12″, E1-A5-12″, E1-A6-12″, E1-C31-12″, E1-C32-12″, E1-C33-12″ and E1-C34-12″) were collected, and the first of the five pre-verification criteria was met.
- As shown in Table 2, the detected PCB concentrations in the samples were <1.0 mg/kg, therefore the second of the five pre-verification criteria was met.
- As shown in Table 4, the average PCB concentration for the IDC4 substrate samples is <0.5 mg/kg, therefore the third of the five pre-verification criteria was met.
- As shown in Table 4, of the nine pre-verification substrate samples, concentrations of PCBs in eight of the samples (or 89% of the samples) were below the laboratory reporting limits. Therefore, the fourth pre-verification criterion was met.
- Four samples were collected from an area inside the proposed cut lines and the PCB concentrations in all four samples were below the laboratory reporting limits. The data indicate that a “buffer zone” is present. Therefore, compliance with the fifth pre-verification criterion has been demonstrated.

Based on the results of the pre-verification sampling, removal of E1 and 12-inches of adjacent substrate will remove the PCB Bulk Product Waste and associated substrate at these locations. No additional verification sampling is planned for substrates adjacent to E1.

E2

E2 is a dark grey expansion joint caulk that exhibits a PCB concentration of 12,000 mg/kg and is found along the exterior walls of Wings B, C and D. E2 is found between vertical brick expansion joints. Through sampling and laboratory analysis it was determined that the point of compliance for substrates adjacent to E2 is 12-inches, as indicated on Table 2. Removal of E2 and 12-inches of brick would result in cut lines totaling approximately 860 LF.

- Based on the total linear feet of cut (860), and the frequency of verification sampling required by EPA, twenty pre-verification substrate samples were collected, as summarized in Table 2. Therefore, the first of the five pre-verification criteria was met;
- As shown in Table 2, the detected PCB concentrations in the samples were <1.0 mg/kg, therefore the second of the five pre-verification criteria was met;
- As shown in Table 4, the average PCB concentration for the IDC4 substrate samples is <0.5 mg/kg, therefore the third of the five pre-verification criteria was met;
- As shown in Table 4, of the twenty pre-verification substrate samples, concentrations of PCBs in eight of the samples (or 40% of the samples) were below the laboratory reporting limits. Therefore, the fourth pre-verification criterion was met; and
- Five samples were collected from an area inside the proposed cut lines. Analytical results indicate that PCB concentrations in four of the samples were <1.0 mg/kg and that a "buffer zone" is present. Therefore, compliance with the fifth pre-verification criterion has been demonstrated.

Based on the results of the pre-verification sampling, removal of E2 and 12-inches of adjacent substrate will remove the PCB Bulk Product Waste and associated substrate at these locations. No additional verification sampling is planned for substrates adjacent to E2.

C2

C2 is a light grey rubber exterior window caulk that exhibits a PCB concentration of 55,000 mg/kg, and is found around the window units along the exterior of Wings A, B, C and D, as shown on Figures 4, 6, 7, and 9. C2 is present along both vertical sides of the windows,

between the metal window frame and brick building façade, and along the top of the window, between the metal window frame and a metal window soffit. C2 caulk is not present along the bottom horizontal portion of the windows. Because the top horizontal portion of the windows are caulked between two non-porous surfaces and renovation activities call for the complete removal of the window system, C2 caulk at this location will be removed and disposed of as PCB Bulk Product Waste along with the adjacent non-porous window frame and soffit. No verification sampling of the brick above the metal soffit was required as the metal soffit has a non-porous surface and would restrict impact to the brick above.

Through sampling and laboratory analysis it was determined that the point of compliance for substrates adjacent to C2 is 12-inches, as indicated on Table 2. Removal of C2 and 12-inches of brick on either side of the widows would result in cut lines totaling approximately 350 LF.

- Based on the total linear feet of cut (350), and the frequency of verification sampling required by EPA, thirteen pre-verification substrate samples were collected, as summarized in Table 2. Therefore, the first of the five pre-verification criteria was met;
- As shown in Table 2, the detected PCB concentrations in the samples were <1.0 mg/kg, therefore the second of the five pre-verification criteria was met;
- As shown in Table 4, the average PCB concentration for the IDC4 substrate samples is <0.5 mg/kg, therefore the third of the five pre-verification criteria was met;
- As shown in Table 4, laboratory analysis indicates that the concentrations of PCBs in all thirteen of the pre-verification substrate samples (100% of the samples) are below the laboratory reporting limits. Therefore, the fourth pre-verification criterion was met; and
- Six samples were collected from an area inside the proposed cut lines. PCBs were not detected in any of the six samples above the laboratory reporting limits, indicating a “buffer zone” is present. Therefore, compliance with the fifth pre-verification criterion has been demonstrated.

Based on the results of the pre-verification sampling, removal of C2 and 12-inches of adjacent substrate will remove the PCB Bulk Product Waste and associated substrate at these locations. No additional verification sampling is planned for substrates adjacent to C2.

2.3 Exterior Ground Surface Sampling

Sampling of exterior ground surface materials directly beneath horizontal and vertical applications of PCB Bulk Product Wastes (and non-federally regulated caulks) were performed on October 23 and 24, 2010, in accordance with 40 CFR Part 761 Subpart N modified to meet the needs of this sampling program. Specifically, ground surface material samples were collected a distance of 1 foot from the base of the building at 10 foot intervals (for horizontal applications) and beneath vertical applications.

The ground surface at the soil grab sample locations was covered with turf and there was no evidence of any landscaping work having been performed. All surficial grab soil samples were collected by removing turf at the sample location, shaking out the soil contained within the turf into the exposed location, and then collecting a sample of surficial soil from 0 to 3 inches below grade. All asphalt and concrete samples were collected following the EPA Region 1 SOP for Sampling Concrete. Composite samples were made by thoroughly mixing equal volumes of each of the grab samples added to the composite. For soil, a maximum of two contiguous soil samples were used in making a composite while a maximum of four contiguous concrete or asphalt samples were used. Samples were extracted and analyzed using EPA Methods 3540C and 8082, respectively, and all analytical results were reported on a dry weight basis.

The following provides details concerning the ground surface material sampling program beneath horizontal and vertical applications of PCB Bulk Product Wastes and non-federally regulated caulks. Surface cover remediation excavation and verification sampling procedures are discussed in Section 3.6.

2.3.1 B Wing

The B wing of the Whitney Tech building houses various shops and the boiler room. This structure is surrounded by asphalt on all sides except the north side, which connects to the A-Wing. PCB Bulk Product Waste glazings are found in most of the windows in this structure. All of the vertically caulked seams are within this length of windows and potential releases from these caulks are considered to have been characterized with the same sampling program as well.

520 ft. of asphalt covered areas around the east, south and west perimeters of the building required 54 initial samples to characterize. These initial asphalt grab samples were composited into 14 samples along with one asphalt grab sample for submittal for analysis. All surface cover sample locations for B Wing are shown on Figure 3.

Analytical data, presented in Table 3, indicate that one of the asphalt composites, B 42-45, exceeded 0.25 mg/kg, indicating a possible exceedance of the remedial standard of 1.0 mg/kg. Therefore, each of the grab samples that comprised this composite sample was submitted for analysis. The grab sample data indicate that all of these samples were less than the remedial standard (maximum grab sample concentration of 0.528 mg/kg); therefore no further investigation or remediation is proposed for this area.

2.3.2 C Wing

The C wing houses the gym and various shops. This structure is surrounded by asphalt to the south. On the east and west sides are a mix of turf, concrete, and asphalt cover. PCB Bulk Product Waste glazings are found in some of the windows in this structure. In addition there are eleven vertical external joints that required characterization separate from the rest of the sampling program.

395 ft. of asphalt covered areas on the east and west sides of the structure required 35 initial grab samples to be collected. These asphalt grab samples were composited into 9 samples for submittal for analysis. Seven concrete samples were collected around the perimeter of C Wing, composited into two samples, and submitted for analysis. In addition, two grab soil samples were collected and submitted for analysis. All surface cover sample locations for C Wing are shown on Figure 3.

Analytical data, presented in Table 3, indicate that all of these samples were non-detect for total PCBs, therefore no further investigation or remediation is proposed for this area.

2.3.3 D Wing

The D wing houses classrooms and health professional related rooms. This structure is surrounded by turf on the west side and asphalt on the east and south. PCB Bulk Product Waste

glazings are found in windows installed in the east and west perimeters of the building and there are three vertically caulked joints that required separate characterization.

250 ft. of asphalt covered areas on the east side of the structure required 26 grab samples for characterization. These 26 asphalt samples were composited into 7 samples for submittal for analysis. 250 ft. of turf covered areas on the west side of the structure required 24 grab samples for characterization. These 24 soil samples were composited into 12 samples for submittal for analysis. Three external caulked joints are located at the northern extent of the turf covered area. Three soil samples, D51, D52 and D53, were collected for initial characterization and D52 and D53 were composited into one sample for submittal for analysis. All surface cover sample locations for D Wing are shown on Figure 3.

Analytical data, presented in Table 3, indicate that four of the soil composite samples, D 39-40, D 43-44, D 49-50, and D 52-53, exceeded 1 mg/kg total PCBs (maximum composite sample result of 10.5 mg/kg total PCBs) and are assumed to require remediation. Window glazing G4, which is found throughout the west side building wall, and window caulk C2 and expansion caulk E2, which are found in the west side hall between the A and D Wings, are in reasonable condition in these areas and no caulk or glazing chips were observed in soil samples collected from these areas.

In addition, three of the soil composites, D 37-38, D 45-46, and D 47-48, exceeded 0.5 mg/kg, indicating possible exceedances of the remedial standard of 1 mg/kg. Therefore each of the grab samples that comprised these composite samples was submitted for analysis. The resultant data indicate that of these six grab samples, only D 46 (1.080 mg/kg total PCBs), and D 47 (1.630 mg/kg total PCBs) exceeded the remedial standard and will require remediation. The remaining asphalt and soil composite samples were non-detect for total PCBs.

Areas where soil samples indicate and exceedance of the remedial standard will be excavated and disposed of as a PCB Remediation Waste with PCB concentrations <50 mg/kg (i.e. disposed of at an approved Subtitle D landfill). As shown on Figure 3, 5 areas have been identified that will require remediation. The anticipated dimensions of each of the remediation areas are 5 ft. wide by 20 ft. long by 1 ft. deep. Remediation of soil in these areas will result in

the removal of approximately 20 tons of soil. Verification samples will be collected from each of the remediation areas as discussed in Section 3.6 of this SICP.

3.0 REMEDIATION PROCEDURES

The goal of building material remediation efforts is to ensure that all PCB Bulk Product Wastes and the associated PCB-containing building materials are removed from areas prior to demolition or renovation activities taking place at the identified areas. PCB-containing caulk and glazing, and associated PCB-containing building materials will be removed utilizing abatement work practices and engineering controls to limit the potential release of PCB dust/debris. The work will be performed by a specialty contractor utilizing workers afforded appropriate hazard communication training and under the supervision of an appropriately educated and trained third party (field inspector) who can validate appropriate removal techniques and confirm thorough removal of identified materials. All materials will be containerized and then transported offsite for appropriate disposal.

Exact means, methods, and schedule for all building material removal actions cannot be specified as this work will be part of the overall project with multiple phases that will be developed by the Construction Manager. The guidelines provided below present the general procedures that are to be followed for the removal of building materials but the contractor will have to determine exact removal actions during the performance of the work.

With the exception of soils, as described in Section 3.6, no segregation of Federally- or non-federally Regulated PCB wastes will be performed during abatement work and the materials will be removed together at each location. For this particular project, the remedial standard will be a PCB concentration of <1 mg/kg.

Achieving this remedial standard will allow for the remaining building materials to be demolished as "unrestricted" or to remain in place and to be repaired during subsequent renovation activities. Substrate verification sampling during abatement work is proposed in areas identified in Section 2.2 that were not able to be pre-verified. Post-abatement re-occupancy testing is discussed in more detail in Section 3.4.

Soil remediation will also be performed during the project. Soil remediation procedures and subsequent soil verification sampling is discussed in more detail in Section 3.6.

3.1 Safety and Monitoring Requirements

The demolition and renovation project will be phased as described in Section 1.3 and it is anticipated that workers and students will use school buildings while removal and abatement is ongoing. To prevent exposure of these persons to contaminated dust, Control Areas will be established outside of the Regulated/Containment/Soil Excavation Areas. Only properly trained personnel associated with the removal, abatement, and soil excavation actions will be allowed within the Control Areas that will be established by placing barriers with signs indicating that access to the area is restricted. The field inspector will maintain the Control Areas and escort unauthorized personnel from the area promptly. Only those personnel actively working on the removal, abatement, and soil excavation actions will be allowed within the Regulated/Containment Area and they will be equipped with Personal Protective Equipment (PPE).

For interior removals, dust monitoring will be performed in the Control Area immediately outside the Regulated/Containment Area prior to initiating the removal action, during performance of the action, and following the removal which will include the break-down of the Regulated/Containment Area. Monitoring will be performed for total suspended particulates (TSP). The background concentration within each interior Control Area will be determined prior to initiating remedial actions and a control area background level will be established. If, during the performance of air monitoring during removals, dust levels outside the Regulated/Containment Area are observed to increase by 20-percent over the background level determined prior to the remediation, the contractor will be instructed to stop work and to inspect and reestablish, as necessary, the Regulated/Containment Area and associated engineering controls. The Contactor will then be required to decontaminate the Control Area outside Regulated/Containment Area if it is found that the containment or engineering controls failed or were not functioning properly.

For soil excavation activities, the remedial contractor will be required to employ dust suppression measures, most likely watering, to prevent dust generation. It is not anticipated that OSHA limits for dust or PCB exposures will be approached. The dust suppression will be employed to prevent the potential release of PCBs to the surrounding environment and the contractor will be directed to employ dust suppression measures if any dust generation is observed.

3.2 Public Communication

Public outreach will be performed both prior to initiating and during the project to inform the community of the activities that will be performed at the Site to address PCB contamination. An initial public meeting was held at the Site to discuss the findings of the PCB investigation program that included bulk material, wipe, and air sample data. Prior to mobilizing to the site a letter will be sent out to parents and faculty members describing the remediation program that will be part of renovation program at the Site. A draft of this letter is included in Appendix C. Additional information will be provided to the community during the performance of the project as needed or requested by the affected community.

3.3 Engineering Control Descriptions

Engineering controls to be implemented for interior and exterior remediation will follow along similar guidelines as used when conducting asbestos abatement activities. That is, they will be modeled after OSHA Class I asbestos engineering controls for interior remediation work, and modeled after exterior OSHA Class II asbestos engineering controls for exterior remediation work. A description of these activities is as follows, with a more detailed description located in Appendix D.

3.3.1 Interior Remediation Procedures for Demolition and Renovation Activities

Interior Remediation Procedures for buildings that are to be demolished are as follows:

- It is assumed that, since the buildings will be vacated prior to demolition activities, that all moveable equipment and furniture will have been removed prior to the performance of any abatement activities and that the work space will be free and clear of any obstructions and no materials requiring additional protection will be present.

- Any openings between the Remediation Area and the non-remediation areas, including the outside of the building, will be sealed off with critical barriers consisting of a minimum of one (1) layer of six (6) mil polyethylene sheeting securing the edges with tape.

- A Negative Pressure Enclosure (NPE) will be constructed around the work area by covering of floor and wall surfaces with 2 layers of 6 mil polyethylene sheeting sealed with tape. Polyethylene will be applied alternately to floors and walls.

- The Contractor will create a negative pressure differential in the range of 0.02 to 0.04 inches of water column between the Remediation Area and surrounding areas by the use of acceptable HEPA-filtered negative air pressure equipment. No air movement system or air filtering equipment will discharge unfiltered air outside the Remediation Area. The contractor will continually monitor the pressure differential to ensure that the NPE is functioning appropriately and will stop work if the pressure differential is outside acceptable limits. Work will recommence after an acceptable pressure differential has been established.

- Signs will be posted outside the enclosure to deter unauthorized personnel from entering.

- Removal work practices within the regulated containment will be implemented which facilitate the removal of the PCB Bulk Product Waste and associated building material while also limiting the amount of dust and debris to be generated. The contractor will remove the designated amount of building material substrate around the PCB Bulk Product Waste.

- All building materials removed during the remediation will be wrapped in poly sheeting and transported to the waste storage area. The poly sheeting will be secured with tape to ensure that no dust is released during the transport and the contractor will be responsible for the remediation of any new releases caused by spillage or unauthorized handling.

3.3.2 Exterior Remediation Procedures

Exterior remediation procedures are as follows:

- During removal of PCB Bulk Product Wastes and associated building material, ground surfaces in the regulated area will be covered with 2 layers of 6 mil polyethylene sheeting to capture/collect any debris generated, and secured to prevent movement. The sheeting will extend a minimum of ten feet beyond the building area to be remediated.

- Any building openings such as windows, doors, vents, etc. in the immediate vicinity of the exterior remediation areas will be sealed off with critical barriers consisting of a minimum of one (1) layer of six (6) mil polyethylene sheeting securing the edges with tape.

- An enclosure will be constructed around the work area by covering of floor and wall surfaces with 2 layers of 6 mil polyethylene sheeting sealed with tape. Polyethylene will be applied alternately to floors and walls. If needed, a moveable enclosure may also be constructed around a platform on a boom lift or other similar device.

- The Contractor will maintain the enclosure throughout the entire removal action and dust levels will be monitored outside the area as described in Section 3.1. Corrective actions as described in Section 3.1 will also be performed if monitoring indicates that it is required.

- Signs will be posted outside the enclosure to deter unauthorized personnel from entering.

- Removal work practices within the regulated containment will be implemented which facilitate the removal of the PCB Bulk Product Waste and associated building material while also limiting the amount of dust and debris to be generated. Acceptable removal equipment will include pneumatic hammers or other similar equipment. If the Contractor chooses to use grinding or cutting tools during the removal they will be required to establish a NPE as described for the interior removals. The contractor will remove the designated amount of building material substrate around the PCB Bulk Product Waste.

- All building materials removed during the remediation will be wrapped in poly sheeting and transported to the waste storage area. The poly sheeting will be secured with tape to ensure that no dust is released during the transport and the contractor will be responsible for the remediation of any new releases caused by spillage.

3.3.3 Phased Remediation

In instances where PCB Bulk Product and building material cannot be removed prior to performing "clean" demolition the following procedures will be followed, except in the case of soil remediation:

- The Contractor will be required to physically delineate PCB Bulk Product Wastes and associated building material areas, as discussed in Section 2.2, on the building with paint or other suitable markers.

- Prior to initiating "clean" demolition activities, the Contractor will seal the caulks classified as PCB Bulk Product Waste and their associated building material as designated in the SICP so as to not create additional releases by disturbing the caulk during the demolition. This seal will consist of tape or taped/glued poly sheeting and the contractor will be required to maintain this seal until these materials are ready to be removed.

- "Clean" demolition activities will be performed to the extent of the delineation performed prior to initiating activities and then the contractor will be required to

employ interior or exterior remediation procedures as described above to remove the regulated PCB wastes.

- Once the regulated PCB wastes have been removed to the extent indicated as being required by the delineation, the contractor will return to employing "clean" methods for demolition.

3.4 Re-occupancy Testing

For interior and exterior containments, the entire area within containment will be HEPA vacuumed to remove dust. The project monitor will then inspect the area to determine that it has been cleaned of all dust generated during the abatement. For interior containments, one or two wipe samples will be collected from horizontal areas where dust would be expected to accumulate within each containment. For exterior containments, one or two wipe samples will be performed on horizontal building materials that were within the containment.

For areas that are being renovated, where wipe samples are representative of materials to remain in place, all wipe samples will be required to be <1.0 $\mu g/100\ cm^2$. For areas that are being demolished, where wipe samples are representative of materials to be removed and disposed, all wipe samples will be required to be <10 $\mu g/100\ cm^2$. However, the actual number of wipe samples performed in the field will depend upon the number of containments established by the Contractor for the abatement actions.

If any of the containment areas fail any of the cleanliness verification procedures, inspection or wipe samples, the Contractor will be instructed to re-clean the area and all inspections and testing will be performed again until the area has been cleared for re-occupancy.

3.5 Verification Sampling

Approval of verification sampling for building material removals on a frequency less than that specified in Subpart O is requested for this remediation project. As discussed in Section 2.2.3, some of the building material substrate samples met the "pre-verification" criteria and would not require verification during remediation. Table 4 summarizes the quantity of pre-verification samples that were collected for Federally-Regulated caulks and glazings. However,

the pre-verification effort was limiting and did not produce adequate results, which will require verification sampling to be conducted during remediation. Therefore, the proposed verification sampling effort associated with these materials is one sample every 50 LF of new building material surface. Table 5 presents a summary of the materials to be removed and any remaining verification samples to be collected.

The oversight contractor (or "PCB Engineer") will collect verification samples at the approved frequency and will be responsible for verifying that sufficient samples have been collected and that the remedial goal has been achieved prior to initiation of "clean" demolition activities. Clean demolition activities will commence after the oversight contractor has determined that remedial requirements have been achieved. In the case where verification samples do not achieve the remedial goal, the oversight contractor will instruct the remedial contractor to reestablish the appropriate controls and regulated area and to continue the removal of building materials using the removal procedures as stated above.

Verification sampling following soil remediation will be conducted in accordance with the procedures specified in Subpart O, as discussed in Section 3.6.

3.6 Soil Remediation

Each of the five soil remediation areas identified on Figure 3 will be excavated and removed for proper off-site disposal as a PCB Remediation Waste <50 mg/kg. Each excavation area is anticipated to be 5 ft. wide by 20 ft. long by 1 ft. deep. Removal of soil will begin where the soil meets the adjacent wall of the building and extend to a 5 ft. width perpendicular to the building.

Each of the designated soil remediation areas is easy to access and there will be no restrictions on the type of equipment employed. An excavator or other similar type of equipment will be used to remove soil which will be live loaded into lined roll-off containers or dump trailers for transport to the appropriate disposal facility. Verification samples will be collected as per Subpart O following excavation and analyzed in the same manner as previously collected characterization sampling. However, as many as two sample locations may be composited prior to analysis. Any composite samples generated will be from contiguous sample locations on the 1.5 m

by 1.5m Subpart O sampling grid. Soil samples collected from the base and sidewalls of the excavations will consist of surficial soil. Where contaminated soil is in contact with concrete or asphalt, samples of these materials will be collected following the EPA Region 1 SOP for Sampling Concrete. Composite samples will be submitted for analysis. Composite samples will consist of equal mass aliquots from contiguous sample locations of the same matrix (e.g., soil samples will only be composited with other soil samples).

All sample compositing activities will be logged such that the date of compositing and the grab samples in the composite is recorded in a permanent manner. All grab samples will be maintained for potential submittal to the analytical laboratory if required.

Soil excavations will be backfilled with certified clean soil meeting the CTDEP Remediation Standards Regulations (RSRs) for the Residential Direct Exposure Criteria (RDEC) and Groundwater Classification GA (GA) Pollutant Mobility Criteria (PMC).

3.7 Waste Characterization, Transport, and Disposal

Wastes will be pre-characterized to the satisfaction of the selected disposal facility prior to initiating any remedial activities. All PCB wastes generated during building remediation activities will be shipped for disposal as PCB Bulk Product Waste at a TSCA-permitted facility and no attempt will be made to segregate the removed material. It is anticipated that approximately 200 tons of building materials will be disposed in this manner.

All wastes generated during soil remediation activities will be shipped for disposal as PCB Remediation Wastes at a concentration less than 50 mg/kg at a Subtitle D facility permitted to receive such waste. It is anticipated that 20 tons of soil will be disposed in this manner.

3.8 Equipment Decontamination

All moveable equipment, tools, and sampling equipment which has contacted the PCB Bulk Product or Remediation Wastes will be decontaminated prior to leaving the site. Decontamination procedures will comply with either §761.79(b)(3)(i)(A), §761.79(b)(3)(ii)(A) or §761.79(c)(2).

All decontamination wastes, PPE, and polyethylene that come in contact with PCB Bulk Product or Remediation Wastes will be disposed of as PCB Wastes with concentrations greater than

50 mg/kg. These wastes will be segregated as to matrix, aqueous, non-aqueous liquids, or solid materials (e.g., PPE), and stored in drums or lined containers prior to transport from the site for disposal.

Aqueous and non-aqueous liquids will be tested for PCB content and shipped offsite for disposal at permitted facility to receive such wastes. Solid Wastes will be containerized with the other regulated PCB wastes generated during the remediation project for transport and disposal.

3.9 Notification and Certification

The removal and abatement measures described within this SICP will be initiated after receiving written approval of the plan from EPA, issuance of fully executed contract, and contract schedule. Notification of intent to perform these remedial measures is provided to EPA with this submittal and will also be provided to the CT DEP and school and local officials.

Also enclosed with this submittal in Appendix F, in accordance with EPA 40 CFR 761.61(a)(3), is a written certification from CT DPW indicating the location of all reports detailing sample collection and analysis procedures used to assess or characterize the PCB contamination for this SICP are available for EPA inspection.

4.0 DOCUMENTATION

Field activities will be monitored on a daily basis by the contractor and a "PCB Engineer" will monitor and oversee the performance of the remediation and will summarize the work at the conclusion of the remediation in a Remedial Action Report (RAR).

4.1 Field Notes

The PCB Engineer will maintain a daily log of on-site PCB-related activities. That log will include, but not be limited to the following:

- Daily health and safety meetings
- Personnel and equipment on site
- Field procedures and observations
- Remediation progress and extents
- Sample locations, selection criteria, samples collected, analyses performed, sample handling
- Telephone or other instructions
- Equipment decontamination
- Building structure substrate /soil verification testing
- Waste transporter information

4.2 Photographs

Photographs will be taken of representative activities, such as remediation, sample locations, and soil excavation. The final extents of the remediation/excavations will also be photographed. Copies of selected photographs will be included in the RAR.

4.3 Survey

The horizontal extents of the soil excavations will be documented by reference to existing fixed site features such as buildings or fence lines. Vertical extents will be measured from the surrounding ground surface. The RAR will include documentation of the extent and depth of the soil excavation.

4.4 Transport and Treatment/Disposal Certifications

Manifests and/or Bills of Lading for the transportation, treatment and disposal of waste materials and certifications of the treatment or disposal of the wastes, if necessary, will be obtained from the transporter and from the treatment/disposal facility. Copies of these forms will be included in the RAR.

4.5 Report

The RAR will be prepared upon receipt of all analytical data confirming that the removal actions were complete and receipt of certifications of treatment/disposal from the treatment/disposal facility. The RAR will include the following.

- Site description
- A description of field procedures
- Verification sample locations and analytical results
- A photographic record of the remediation, excavations and backfilling
- Figures showing the extent of excavations and restoration
- Waste characterization sample data
- Waste transport and treatment disposal information
- Copies of waste manifests and bills of lading

4.6 Recordkeeping

All records and documents required by 40 CFR Part 761, including all those records

required under Subpart K, will be prepared for and maintained by Whitney Tech, CT DOE, and CT DPW. The records will be maintained in a centralized location for a minimum of three years and will be available for inspection by representatives of EPA if required.

TABLES

TABLE 1
BULK PRODUCT SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

Sample ID	Sample Description	Material Locations	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]	Date Installed
Door Caulk						
IDC1	Interior hard tan door caulk	Main Bldg Rooms 206, 208, 212, 214, 111 &105	12/29/2009	1/16/2010	ND<0.5	Original
IDC2	Interior white caulk around interior doors	Main Bldg b/w Rooms 211 & 209	12/29/2009	1/16/2010	ND<0.5	Original
IDC3	Interior white pliable door caulk	Health Bldg Rooms D-1A & D-1B, Dental Lab, D-9 & Bathrooms	12/29/2009	1/15/2010	ND<0.5	Original
IDC4	Interior grey pliable door caulk	LPN Theory lab	12/29/2009	1/15/2010	43,000E	Original
IDC5	Interior tan rubbery door caulk	Hall side Rooms 111 & 113	12/29/2009	1/17/2010	0.55	Original
IDC6	Interior white pliable door caulk	West side entry near Bakery	12/29/2009	1/17/2010	0.61	Original
IDC7	Interior hard brown door caulk	1st floor A-wing, 1st floor C-wing	11/19/2010	11/24/2010	0.498	Original
IDC8	Interior grey pliable door caulk	1st floor D-wing	11/19/2010	11/24/2010	53,800	Original
Expansion Joint Caulk						
E1	Exterior expansion joint caulk grey rubber over foam	NW corner of main building	12/28/2009	1/13/2010	85,000E	Original
		East side of cafeteria building				
E2	Exterior dark grey rubber expansion joint caulk	West side hall b/w main bldg & Health bldg.	12/28/2009	1/13/2010	12,000E	Original
E3	Exterior white expansion joint caulk	All sides of Health Bldg	12/28/2009	1/13/2010	3.7	Original
		North & East Sides of Cafeteria Bldg				
		South Shop Bldg.				
E4	Exterior white over beige expansion joint caulk	Northeast and South east corners of Main Bldg.	12/28/2009	1/16/2010	ND<0.5	Original
E5	Exterior white gritty caulk b/w brick walls	North side Cafeteria Bldg.	12/28/2009	1/16/2010	ND<0.5	Original
		South side Shop Bldg.				
E7	Exterior white soft pliable expansion joint caulk	Welding Shop & Health Tech	12/28/2009	1/16/2010	ND<0.5	Original
IE1	Interior white expansion joint caulk	Hall 2nd floor, Room 228	12/29/2009	1/16/2010	0.67[2]	Original
IE2	Interior white/grey expansion joint caulk	Stairwell 2nd floor	12/29/2009	1/15/2010	2.8[3]	Original
IE3	Interior off white expansion joint caulk	Health Bldg rooms D-9 and D-7	12/29/2009	1/22/2010	110,000	Original
		Hall b/w Health Bldg & Main Bldg				
		Auto Body Shop (expansion joints and doors)				
IE4	Interior thick tan hard expansion joint caulk	Shop Bldg hallway	12/29/2009	1/19/2010	4.2[3]	Original
Window Glaze						
G1	Exterior grey window glaze	Main bldg	12/28/2009	1/13/2010	ND<0.5	Original
		West side Cafeteria Bldg				
		North side Shop Bldg				
G2	Exterior white window glaze	Main Bldg North and South sides	12/28/2009	1/13/2010	3.9	Original
		North side Shop Bldg				
G3	Exterior white rubbery glazing	North side Main Bldg Replacement window	12/28/2009	1/16/2010	0.52	Original
G4	Exterior thin white window glazing	East side auto body shop	12/28/2009	1/16/2010	820	Original
		West side Shop building				
		Southwest side Health building				
G5	Exterior black window glazing on garage bay doors	Auto Body Shop	12/28/2009	1/16/2010	0.88	Original
G6	Exterior grey pliable window glazing	Welding Shop & Carpentry classroom	12/28/2009	1/16/2010	ND<0.5	Original
G7	Exterior thick grey window glazing	West side shop building replacement window	12/28/2009	1/16/2010	140	Original

TABLE 1
BULK PRODUCT SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

Sample ID	Sample Description	Material Locations	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]	Date Installed
Window Glaze (continued)						
G8	Exterior black sticky window glazing	South entrance to Health Bldg	12/28/2009	1/16/2010	ND<0.5	Original
IG1	Interior grey brittle window glazing	Throughout Main Bldg and Cafeteria Bldg	12/29/2009	1/16/2010	1.3	Original
IG2	Interior black glazing on interior window wall panels	Media center & Cosmetology	12/29/2009	1/16/2010	1.84[3]	Original
IG3	Interior white glazing on windows	Media room 212	12/29/2009	1/16/2010	2.0	Original
IG4	Interior white glazing on window	Main Bldg 2nd floor women's room next to room 211	12/29/2009	1/16/2010	48	Original
IG5	Interior grey sticky window glazing	2nd Floor Health Bldg all windows	12/29/2009	1/19/2010	2.3	Original
IG6	Interior hard grey window glazing	Health Bldg Rooms D-1 & D-1B	12/29/2009	1/15/2010	0.82[2]	Original
IG7	Interior dark brown hard glazing on interior window panel	Health Tech lab area	12/29/2009	1/16/2010	3,300	Original
IG8	Interior window wall glazing	Northeast entry foyer of Health Bldg	12/29/2009	1/16/2010	1,900E	Original
IG9	Interior door window glazing	West side Main Bldg Exterior door	12/29/2009	1/17/2010	0.98	Original
IG10	Interior white pliable glazing (patch)	Main Bldg. Hair and Cosmetology	12/29/2009	1/17/2010	ND<0.5	Original
IG11	Interior thick grey window glazing	Auto Repair Shop Throughout Shop bldg	12/29/2009	1/19/2010	2.0	Original
IG12	Interior hard grey/green window glazing	Auto Repair Shop classroom	12/29/2009	1/19/2010	1.3	Original
IG13	Interior sticky grey glazing on door window panel	Electrical classroom Auto Repair Shop classroom	12/29/2009	1/19/2010	ND<0.5	Original
IG14	Hard beige window glazing	1st and 2nd floor A-wing	11/19/2010	11/24/2010	1.45	Original
IG15	Black, gummy, door window glazing	1st and 2nd floor A-wing	11/19/2010	11/24/2010	ND<0.712	Original
IG16	Black, gummy, door window glazing	1st floor C-wing, 2nd floor D-wing	11/19/2010	11/24/2010	ND<0.795	Original
IG17	White, crumbly, door window glazing	2nd floor D-wing	11/19/2010	11/24/2010	1.17	Original
IG18	Gray door window glazing	1st floor C-wing, 1st floor D-wing	11/19/2010	11/24/2010	15.1	Original
IG19	White, gummy, door window glazing	1st floor C-wing, 1st floor D-wing	11/19/2010	11/24/2010	ND<0.410	Original
IG19a	Gray puddy-like window glazing	1st floor C-wing	11/19/2010	11/24/2010	ND<1.94	Original
IG19b	Hard gray door window glazing	B-wing, 1st floor C-wing, 1st floor D-wing	11/19/2010	11/24/2010	0.537	Original
IG20	Dark gray pliable door window glazing	1st floor D-wing	11/19/2010	11/24/2010	ND<0.176	Original
IG21	Tan door window glazing	B-wing	11/19/2010	11/24/2010	1,700	Original
IG22	Gray interior window glazing	B-wing	11/19/2010	11/24/2010	15.9	Original
IG23	Hard light gray interior door window glazing	B-wing	11/19/2010	11/24/2010	4.51	Original

TABLE 1
BULK PRODUCT SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

Sample ID	Sample Description	Material Locations	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]	Date Installed
Miscellaneous Caulk						
C1	Exterior window caulk grey over beige	Throughout Main bldg	12/28/2009	1/13/2010	ND<0.5	Original
		West side Cafeteria Bldg				
		Throughout Shop Bldg				
C2	Exterior light grey rubber window caulk	North kitchen windows	12/28/2009	1/13/2010	55,000E	Original
		East loading dock/kitchen windows				
		East Auto body Shop replacement window				
		West hall window b/w main bldg & Health bldg.				
C4	Exterior dark grey hard caulk around windows	South side of Culinary Theory	12/28/2009	1/16/2010	ND<0.5	Original
C5	Exterior white brittle caulk around air vents	Cafeteria Bldg loading dock	12/28/2009	1/16/2010	1.1	Original
C6	Exterior soft white on yellow caulk around doors	South Entrance to Cafeteria Bldg	12/28/2009	1/16/2010	ND<0.5	Original
C7	Exterior hard grey window caulk	Southwest Cafeteria Bldg	12/28/2009	1/17/2010	ND<0.5	Original
C8	Exterior white brittle caulk around door	Northwest Cafeteria Bldg	12/28/2009	1/17/2010	2.2	Original
C9	Exterior brown hard caulk on air vents	South side Main Bldg	12/28/2009	1/18/2010	11	Original
C10	Exterior grey pliable window caulk	Shop Bldg	12/28/2009	1/17/2010	0.66	Original
C11	Exterior dark brown pliable door caulk	Auto Repair Shop & Graphics	12/28/2009	1/17/2010	0.72	Original
C12	Light gray pliable window frame caulk	1st floot D-wing	11/19/2010	11/24/2010	ND<0.176	Original
C13	Hard black door frame caulk	B-wing	11/19/2010	11/24/2010	ND<0.184	Original
C14	Tan hard door frame caulk	2nd floor C-wing	11/19/2010	11/24/2010	1.647	Original
IC1	Interior window/wall caulk in bathroom	2nd Floor Health Bldg Bathrooms	12/29/2009	1/18/2010	6.3	Original
IC2	Interior hard grey caulk around A/C unit	Main Bldg Rooms 227& 228	12/29/2009	1/15/2010	1.2	Original
IC3	Interior beige rubbery wall caulk	Teachers room bath	12/29/2009	1/15/2010	3.94[3]	Original
IC4	Interior grey rubbery along window & wall	Throughout 1st floor of Health Bldg	12/29/2009	1/16/2010	53,000E	Original
IC5	Interior dark brown rubbery window wall caulk	Northeast entry foyer of Health Bldg	12/29/2009	1/16/2010	54,000E	Original
IC6	Interior brown hard window wall caulk	West side entry near Bakery	12/29/2009	1/17/2010	3.2	Original
IC7	Interior hard white caulk	1st floor A-wing	11/19/2010	11/24/2010	ND<0.104	Original
IC8	Hard, brittle, dark brown window frame caulk	1st floor A-wing	11/19/2010	11/24/2010	0.365	Original
IC9	Tan door and window frame caulk	1st floor D-wing	11/19/2010	11/24/2010	43,200	Original
IC10	Hard white caulk	1st floor C-wing, B-wing	11/19/2010	11/24/2010	ND<0.204	Original
IC12	White pliable wood frame caulk	B-wing	11/19/2010	11/24/2010	0.809	Original

Notes:

1 PCB Concentration is the total PCB concentration. The only value detected is Aroclor-1254 unless otherwise noted.
2 PCB Concentration is comprised of Aroclor-1242.
3 PCB Concentration is comprised of Aroclor-1254 and Aroclor-1242.
ND< Not detected above listed detection limit
E Result is estimated above the calibration range.
IDC8 This material was orginally sampled as a separate material, but do to its physical characteristics and PCB concenetration was later considered homogenous to IDC4.
IG15 Two samples of the same homogenous material taken at two separate locations. Both samples were ND and the lower detection limit is reported.
IG18 Insufficient sample collected to perform percent solid analysis. Result reported as wet weight and driy weight PCB Concentration estimated based upon lowest perdent solid determined for glazes (92%)

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

Sample ID	Location Description	Building Substrate Description	Bulk Product Waste Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Interior Building Materials						
IE3-C-6''	Auto Body Shop west interior wall, Wing C	CMU 6" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	10/25/2010	10/26/2010	0.854
IE3-D-6''	Health Bldg west interior hallway wall, Wing D	CMU 6" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	10/25/2010	10/26/2010	**2.69**
IE3-D-10''	Health Bldg west interior hallway wall, Wing D	CMU 10" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	10/23/2010	11/2/2010	**1.785[2]**
IE3-C-10''	Auto Body Shop west interior wall, Wing C	CMU 10" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	10/23/2010	11/2/2010	**1.160**
IE3-B2-12"	Southern interior wall Wing B	Brick 12" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/4/2011	0.0612
IE3-C2-18"	Auto Body Shop west interior wall, Wing C	CMU 18" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/4/2011	0.969
IE3-B4-18"	Southern interior wall Wing B	CMU 18" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/4/2011	ND<0.0578
IE3-D2-18"	Interior wall Wing D	CMU 18" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/29/2010	1/5/2011	**1.95[2]**
IE3-C1-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/4/2011	0.916
IE3-C3-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/4/2011	0.401
IE3-C4-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/4/2011	**3.75[2]**
IE3-C6-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/4/2011	0.858
IE3-C7-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/4/2011	**2.24[2]**
IE3-C8-24"	Auto Body Shop interior wall, Wing C	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/30/2010	1/5/2011	**1.04**
IE3-C9-24"	Auto Body Shop interior wall, Wing C	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/30/2010	1/5/2011	**1.47[2]**
IE3-B1-24"	Southern interior wall Wing B	Brick 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/4/2011	ND<0.0599
IE3-B3-24"	Southern interior wall Wing B	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/4/2011	ND<0.052
IE3-B5-24"	Southern interior wall Wing B	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/4/2011	0.317[2]
IE3-B6-24"	Southern interior wall Wing B	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/5/2011	0.710[2]
IE3-D1-24"	Interior wall Wing D	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/29/2010	1/5/2011	**1.47[2]**
IE3-D3-24"	Interior wall Wing D	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/29/2010	1/5/2011	0.775
IE3-D5-24"	Interior wall Wing D	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/29/2010	1/5/2011	0.952
IE3-D6-24"	Interior wall Wing D	CMU 24" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/29/2010	1/5/2011	ND<0.0582
IE3-C5-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/28/2010	1/4/2011	0.407
IE3-D4-36"	Interior wall Wing D	CMU 36" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	12/29/2010	1/5/2011	0.956

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

Sample ID	Location Description	Building Substrate Description	Bulk Product Waste Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Interior Building Materials						
IE3-C10-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	**2.09**
IE3-C12-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	0.806[2]
IE3-C14-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	**1.05[2]**
IE3-C16-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	0.581[2]
IE3-B27-36"	East interior wall, southeast corner of Wing B	CMU 36" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	0.0935
IE3-B29-36"	East interior wall, southeast corner of Wing B	CMU 36" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	0.194
IE3-B31-36"	Southern interior wall, southwest corner of Wing B	CMU 36" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	0.418[2]
IE3-D35-36"	Interior wall, west side of hallway, north side of Wing D	CMU 36" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/23/2011	1/26/2011	**1.159[2]**
IE3-D37-36"	Interior wall, east side of hallway, central portion of Wing D	CMU 36" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/23/2011	1/26/2011	**1.260**
IE3-D39-36"	Interior wall, east side of hallway, central portion of Wing D	CMU 36" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/23/2011	1/26/2011	**1.050**
IE3-C11-48"	Auto Body Shop west interior wall, Wing C	CMU, 48" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	**1.090**
IE3-C13-48"	Auto Body Shop west interior wall, Wing C	CMU, 48" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	**1.098[2]**
IE3-C15-48"	Auto Body Shop west interior wall, Wing C	CMU, 48" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	0.516
IE3-C17-48"	Auto Body Shop west interior wall, Wing C	CMU, 48" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	0.729
IE3-B28-48"	East interior wall, southeast corner of Wing B	CMU, 48" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	0.113
IE3-B30-48"	East interior wall, southeast corner of Wing B	CMU, 48" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	0.117
IE3-B32-48"	Southern interior wall, southwest corner of Wing B	CMU, 48" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/22/2011	1/26/2011	0.371[2]
IE3-D36-48"	Interior wall, west side of hallway, north side of Wing D	CMU, 48" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/23/2011	1/26/2011	0.603
IE3-D38-48"	Interior wall, east side of hallway, central portion of Wing D	CMU, 48" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/23/2011	1/26/2011	0.461
IE3-D40-48"	Interior wall, east side of hallway, central portion of Wing D	CMU, 48" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	1/23/2011	1/26/2011	0.825
IE3-C35-60"	Auto Body Shop west interior wall, Wing C	CMU, 60" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	2/7/2011	2/10/2011	0.192
IE3-C36-60"	Auto Body Shop west interior wall, Wing C	CMU, 60" from caulked seam	IE3, interior off white expansion caulk at 110,000 mg/kg	2/7/2011	2/10/2011	0.245[2]
IDC4-D-6''	LPN Theory room, east interior wall, Wing D	Concrete 6" from caulked seam	IDC4, interior grey door caulk at 43,000 mg/kg	10/25/2010	10/26/2010	**2.09[2]**
IDC4-D-9''	LPN Theory room, east interior wall, Wing D	Concrete 9" from caulked seam	IDC4, interior grey door caulk at 43,000 mg/kg	10/23/2010	11/2/2010	**1.502[2]**
IDC4-D18-12"	LPN Theory room, east interior wall, Wing D	Concrete 12" from caulked seam	IDC4, interior grey door caulk at 43,000 mg/kg	12/29/2010	1/5/2010	**1.37**

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

Sample ID	Location Description	Building Substrate Description	Bulk Product Waste Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Interior Building Materials						
IDC4-D20-12"	LPN Theory room, east interior wall, Wing D	Concrete 12" from caulked seam	IDC4, interior grey door caulk at 43,000 mg/kg	12/29/2010	1/5/2011	**2.98[2]**
IDC4-D19-24"	LPN Theory room, east interior wall, Wing D	Concrete 24" from caulked seam	IDC4, interior grey door caulk at 43,000 mg/kg	12/29/2010	1/5/2010	ND<0.0571
IDC4-D21-24"	LPN Theory room, east interior wall, Wing D	Concrete 24" from caulked seam	IDC4, interior grey door caulk at 43,000 mg/kg	12/29/2010	1/5/2011	**1.06**
IDC4-D41-36"	LPN Theory room, east interior wall, Wing D	Concrete 36" from caulked seam	IDC4, interior grey door caulk at 43,000 mg/kg	1/23/2011	1/26/2011	0.766
IDC4-D43-36"	LPN Theory room, east interior wall, Wing D	Concrete 36" from caulked seam	IDC4, interior grey door caulk at 43,000 mg/kg	1/23/2011	1/26/2011	0.671
IDC4-D42-48"	LPN Theory room, east interior wall, Wing D	Concrete 48" from caulked seam	IDC4, interior grey door caulk at 43,000 mg/kg	1/23/2011	1/26/2011	0.241
IDC4-D44-48"	LPN Theory room, east interior wall, Wing D	Concrete 48" from caulked seam	IDC4, interior grey door caulk at 43,000 mg/kg	1/23/2011	1/26/2011	0.578
IC4-B8-Sill	Interior wall beneath windows, Wing B	Stone sill in contact with caulk	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**1.65**
IC4-D8-Sill	Interior wall beneath windows, Wing D	Stone sill in contact with caulk	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**11.68[2]**
IC4-D11-Sill	Interior wall beneath windows, Wing D	Stone sill in contact with caulk	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**3.22**
IC4-D14-Sill	Interior wall beneath windows, Wing D	Stone sill in contact with caulk	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**5.41**
IC4-B7-6"	Interior wall beneath windows, Wing B	Concrete 6" from caulked seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	0.965
IC4-B9-6"	Interior wall beneath windows, Wing B	Concrete 6" from caulked seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**1.81[2]**
IC4-B10-6"	Interior wall beneath windows, Wing B	Concrete 6" from caulked seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**1.77[2]**
IC4-B11-6"	Interior wall beneath windows, Wing B	Concrete 6" from caulked seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**1.91**
IC4-D7-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**4.78[2]**
IC4-D9-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**4.08[2]**
IC4-D10-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**1.51**
IC4-D12-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**2.59[2]**
IC4-D13-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**3.49**
IC4-D15-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**4.54[2]**
IC4-D16-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**3.29[2]**
IC4-D17-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	12/29/2010	1/5/2011	**3.02[2]**
IC4-B23-1C	Interior west wall, Graphics Room, Wing B	1 course of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	1/22/2011	1/26/2011	0.326
IC4-D47-1C	Interior east wall, Room D17, Wing D	1 course of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	1/23/2011	1/26/2011	**3.21[2]**
IC4-B24-2C	Interior west wall, Graphics Room, Wing B	2 courses of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	1/22/2011	1/26/2011	0.820

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

Sample ID	Location Description	Building Substrate Description	Bulk Product Waste Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Interior Building Materials						
IC4-B25-2C	Interior north wall, office inside Graphics Room, Wing B	2 courses of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	1/22/2011	1/26/2011	ND<0.0586
IC4-B26-2C	Interior south wall, office at rear of Metal Shop, Wing B	2 courses of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	1/22/2011	1/26/2011	ND<0.049
IC4-D48-2C	Interior east wall, Room D17, Wing D	2 courses of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	1/23/2011	1/26/2011	**3.26[2]**
IC4-D49-2C	Interior west wall, Wing B	2 courses of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	1/23/2011	1/26/2011	**2.228[2]**
IC4-D50-2C	Interior west wall, Wing B	2 courses of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	1/23/2011	1/26/2011	**1.370**
IC4-D51-2C	Interior east wall, Room D15, Wing D	2 courses of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	1/23/2011	1/26/2011	**1.740**
IC4-D57-4C	Interior east wall, Room D15, Wing D	4 courses of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	2/7/2011	2/10/2011	ND<0.0624
IC4-D58-4C	Interior east wall, Room D17, Wing D	4 courses of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	2/7/2011	2/10/2011	0.715
IC4-D59-4C	Interior west wall, Room D16, Wing D	4 courses of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	2/7/2011	2/10/2011	0.595[2]
IC4-D60-4C	Interior west wall, LPN Theory Room, Wing D	4 courses of CMU block from seam	IC4, Interior grey rubbery caulk along the window/wall seam at 53,000 mg/kg	2/7/2011	2/10/2011	0.336
IC5-D-6''	Northeast entry foyer interior window/wall, Wing D	Concrete 6" from caulked seam	IC5, interior dark brown rubbery window/wall caulk at 54,000 mg/kg	10/25/2010	10/26/2010	0.804[2]
IC5-D-9''	Northeast entry foyer interior window/wall, Wing D	Concrete 9" from caulked seam	IC5, interior dark brown rubbery window/wall caulk at 54,000 mg/kg	10/23/2010	11/2/2010	0.391
IC5-D45-9"	Northeast entry foyer interior window/wall, Wing D	Concrete 9" from caulked seam	IC5, interior dark brown rubbery window/wall caulk at 54,000 mg/kg	1/23/2011	1/26/2011	0.693
IC9-D46-12"	Interior wall of small office, Room D15, Wing D	12" from caulked door seam	IC9, Tan interior door and window frame caulk at 43,200 mg/kg	1/23/2011	1/26/2011	**3.42[2]**
IC9-D55-24"	Interior wall of small office, Room D15, Wing D	24" from caulked door seam	IC9, Tan interior door and window frame caulk at 43,200 mg/kg	2/7/2011	2/10/2011	0.605[2]
IC9-D56-30"	Interior wall of small office, Room D15, Wing D	30" from caulked door seam	IC9, Tan interior door and window frame caulk at 43,200 mg/kg	2/7/2011	2/10/2011	0.338
Exterior Building Materials						
E1-C-3"	East side, Cafeteria, Exterior Wing C	Brick 3" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	10/23/2010	11/3/2010	ND<0.0655
E1-C-6"	East side, Cafeteria, Exterior Wing C	Brick 6" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	10/25/2010	10/26/2010	ND<0.0653
E1-C30-6"	East side, Cafeteria, Exterior Wing C	Brick 6" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	1/22/2011	1/26/2011	ND<0.0497
E1-A2-6"	Exterior wall, west side of building, Wing A	Brick 6" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	12/30/2010	1/6/2011	ND<0.0613
E1-A1-12"	Exterior wall, west side of building, Wing A	Brick 12" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	12/30/2010	1/6/2011	ND<0.0653
E1-A3-12"	Exterior wall, west side of building, Wing A	Brick 12" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	12/30/2010	1/6/2011	0.0944
E1-A4-12"	Exterior wall, west side of building, Wing A	Brick 12" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	12/30/2010	1/6/2011	0.299
E1-A5-12"	Exterior wall, west side of building, Wing A	Brick 12" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	12/30/2010	1/6/2011	ND<0.0585

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

Sample ID	Location Description	Building Substrate Description	Bulk Product Waste Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Exterior Building Materials						
E1-A6-12"	Western exterior wall, west side of Wing A	Brick 12" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	1/23/2011	1/26/2011	ND<0.0533
E1-C31-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	1/22/2011	1/26/2011	ND<0.063
E1-C32-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	1/22/2011	1/26/2011	ND<0.066
E1-C33-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	1/22/2011	1/26/2011	ND<0.0631
E1-C34-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	E1, exterior expansion caulk grey rubber over foam at 85,000 mg/kg	1/22/2011	1/26/2011	ND<0.0558
E2-D18-6"	Exterior wall, Wing D	Brick 6" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/5/2011	ND<0.0708
E2-D21-6"	Exterior wall, Wing D	Brick 6" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	0.275
E2-D31-6"	Exterior wall, Wing D	Brick 6" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	0.232
E2-D33-6"	Exterior wall, Wing D	Brick 6" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	**2.22**
E2-B16-6"	Northern exterior wall, outside of garage, Wing C	Brick 6" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	1/22/2011	1/26/2011	0.0784
E2-B12-12"	Exterior wall, Wing B	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	0.136
E2-B13-12"	Exterior wall, Wing B	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	ND<0.0645
E2-B14-12"	Exterior wall, Wing B	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	ND<0.0614
E2-B15-12"	Exterior wall, Wing B	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	0.0717
E2-D19-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/5/2011	ND<0.0678
E2-D20-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/5/2011	0.78
E2-D22-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	0.083
E2-D23-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	ND<0.0638
E2-D24-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	0.107
E2-D25-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	0.281
E2-D26-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	ND<0.0582
E2-D27-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	ND<0.0541
E2-D28-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	0.234[2]
E2-D29-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	0.132
E2-D30-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	ND<0.0553

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

Sample ID	Location Description	Building Substrate Description	Bulk Product Waste Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Exterior Building Materials						
E2-D32-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	0.214
E2-D34-12"	Exterior wall, Wing D	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	12/30/2010	1/6/2011	0.227
E2-B17-12"	Northern exterior wall, outside of maintenance garage, Wing B	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	1/22/2011	1/26/2011	ND<0.0605
E2-B18-12"	Northern exterior wall, outside of maintenance garage, Wing B	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	1/22/2011	1/26/2011	0.119
E2-B19-12"	Western exterior wall, Wing B	Brick 12" from caulked seam	E2, exterior expansion caulk, dark grey, at 12,000 mg/kg	1/22/2011	1/26/2011	0.0732
C2-C-3''	East side, Auto Body Shop, Exterior Wing C	Brick 3" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	10/23/2010	11/3/2010	ND<0.0606
C2-C-6''	East side, Auto Body Shop, Exterior Wing C	Brick 6" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	10/25/2010	10/26/2010	ND<0.06
C2-C-6'' A	East side, Auto Body Shop, Exterior Wing C	Brick 6" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	10/25/2010	10/26/2010	ND<0.0562
C2-C18-6"	Eastern exterior wall, outside garage, Wing C	Brick 6" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.0546
C2-C20-6"	Western exterior wall, southern portion of building, Wing C	Brick 6" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.0608
C2-B20-6"	Western exterior wall, southern portion of building, Wing B	Brick 6" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.0605
C2-D52-6"	Western exterior wall, southern portion of building, Wing D	Brick 6" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/23/2011	1/26/2011	ND<0.052
C2-C19-12"	Eastern exterior wall, outside garage, Wing C	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.0649
C2-C21-12"	Eastern exterior wall, outside garage, Wing C	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.0508
C2-C22-12"	Eastern exterior wall, outside garage, Wing C	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.0449
C2-C23-12	Eastern exterior wall, outside garage, Wing C	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.067
C2-C24-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.0602
C2-C25-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.0671
C2-C26-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.0688
C2-C27-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.0674
C2-C28-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.0660
C2-B21-12"	Western exterior wall, southern portion of building, Wing B	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.0496
C2-B22-12"	Southern exterior wall of building, Wing B	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/22/2011	1/26/2011	ND<0.050
C2-D53-12"	Western exterior wall, southern portion of building, Wing D	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/23/2011	1/26/2011	ND<0.062
C2-D54-12"	Western exterior wall, southern portion of building, Wing D	Brick 12" from caulked seam	C2, exterior light grey rubber window caulk at 55,000 mg/kg	1/23/2011	1/26/2011	ND<0.0657

Notes:

ND< Not detected above the listed detection limit

[1] PCB Concentration is the total PCB concentration. The only value detected is Aroclor-1254 unless otherwise noted.

[2] PCB Concentration is comprised of Aroclor-1254 and Aroclor-1260.

C2-C-6" A is a field duplicate to C2-C-6

TABLE 3
SURFACE COVER SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

Sample ID	Sample Substrate	Sample Type	Date Collected	Date Composited	Date Analyzed	Total PCBs (mg/kg)[1]
B 1-4	Asphalt	Composite	10/23/2010	10/25/2010	10/27/2010	ND<0.279
B 5-8	Asphalt	Composite	10/23/2010	10/25/2010	10/27/2010	ND<0.288
B 9-12	Asphalt	Composite	10/23/2010	10/25/2010	10/27/2010	ND<0.356
B 13-16	Asphalt	Composite	10/23/2010	10/25/2010	10/27/2010	ND<0.271
B 17-20	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.378
B 21-24	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.304
B 21-24A	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.339
B 25	Asphalt	Grab	10/24/2010	NA	10/27/2010	ND<0.321
B 26-29	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.348
B 30-33	Asphalt	Composite	10/23/2010	10/25/2010	10/27/2010	ND<0.355
B 34-37	Asphalt	Composite	10/23/2010	10/25/2010	10/27/2010	ND<0.390
B 38-41	Asphalt	Composite	10/23/2010	10/25/2010	10/27/2010	ND<0.385
B 42-45	*Asphalt*	*Composite*	*10/23/2010*	*10/25/2010*	*10/27/2010*	*0.564* [2]
B 42	Asphalt	Grab	10/23/2010	NA	11/3/2010	0.102[2]
B 43	Asphalt	Grab	10/23/2010	NA	11/3/2010	0.205[2]
B 44	Asphalt	Grab	10/23/2010	NA	11/3/2010	0.528[2]
B 45	Asphalt	Grab	10/23/2010	NA	11/3/2010	0.361[2]
B 46-48	Asphalt	Composite	10/23/2010	10/25/2010	10/27/2010	ND<0.393
B 49-51	Asphalt	Composite	10/23/2010	10/25/2010	10/27/2010	ND<0.351
B 52-54	Asphalt	Composite	10/23/2010	10/25/2010	10/27/2010	ND<0.317
C 1-4	Asphalt	Composite	10/24/2010	10/25/2010	10/26/2010	ND<0.344
C 5-8	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.398
C 9-12	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.282
C 13-15	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.344
C 16-18	Concrete	Composite	10/24/2010	10/25/2010	10/26/2010	ND<0.0566
C 19	Soil	Grab	10/24/2010	NA	10/26/2010	ND<0.0216
C 20-23	Concrete	Composite	10/24/2010	10/25/2010	10/26/2010	ND<0.0653
C 24	Soil	Grab	10/24/2010	NA	10/27/2010	ND<0.0207
C 25-26	Soil	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.0201
C 27-30	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.309
C 31-34	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.384
C 35-38	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.287
C 39-42	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.347
C 43-46	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.353
D 1-4	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.337
D 5-8	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.340
D 9-12	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.398
D 13-16	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.389
D 17-20	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.385
D 21-23	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.276

TABLE 3
SURFACE COVER SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

Sample ID	Sample Substrate	Sample Type	Date Collected	Date Composited	Date Analyzed	Total PCBs (mg/kg)[1]
D 24-26	Asphalt	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.313
D 27-28	Soil	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.0222
D 27-28A	Soil	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.0227
D 29-30	Soil	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.0216
D 31-32	Soil	Composite	10/24/2010	10/25/2010	10/27/2010	ND<0.0222
D 33-34	Soil	Composite	10/24/2010	10/25/2010	10/27/2010	0.371[2]
D 35-36	Soil	Composite	10/24/2010	10/25/2010	10/27/2010	0.218[2]
D 37-38	*Soil*	*Composite*	*10/24/2010*	*10/25/2010*	*10/27/2010*	*0.607*[2]
D 37	Soil	Grab	10/24/2010	NA	11/2/2010	0.658[2]
D 38	Soil	Grab	10/24/2010	NA	11/2/2010	0.683[2]
D 39-40	**Soil**	**Composite**	**10/24/2010**	**10/25/2010**	**10/27/2010**	**1.33**[2]
D 41-42	Soil	Composite	10/24/2010	10/25/2010	10/27/2010	0.400[2]
D 43-44	**Soil**	**Composite**	**10/24/2010**	**10/25/2010**	**10/27/2010**	**1.220**[2]
D 45-46	*Soil*	*Composite*	*10/24/2010*	*10/25/2010*	*10/27/2010*	*0.973*[2]
D 45	Soil	Grab	10/24/2010	NA	11/2/2010	0.840[2]
D 46	**Soil**	**Grab**	**10/24/2010**	**NA**	**11/2/2010**	**1.080**[2]
D 47-48	*Soil*	*Composite*	*10/24/2010*	*10/25/2010*	*10/27/2010*	*0.886*[2]
D 47	**Soil**	**Grab**	**10/24/2010**	**NA**	**11/2/2010**	**1.630**[2]
D 48	Soil	Grab	10/24/2010	NA	11/2/2010	0.591[2]
D 49-50	**Soil**	**Composite**	**10/24/2010**	**10/25/2010**	**10/27/2010**	**1.940**[2]
D 51	Soil	Grab	10/24/2010	NA	10/27/2010	0.0478[2]
D 52-53	**Soil**	**Composite**	**10/24/2010**	**10/25/2010**	**10/27/2010**	**10.5**[2]

Notes: Equal volumes of each grab sample were added to each composite sample.
Remedial standard of <1 mg/kg is the Residential Direct Exposure Criteria from Section 22a-133k-1 through 22a-133k-3 of the State of Connecticut Regulation of Department of Environmental Protection concerning Remediation Standard and the High Occupancy area with no further conditions standard from §761.61(a)(4)(A).
Grab sample results were compared directly to the applicable remedial standards.
Composite sample results were compared to the applicable remedial standards by assuming that PCBs all came from one of the multiple samples included in the composite. Thus, composite sample results were multiplied by the number of samples composited to determine compliance.
All sample results exceeding the remedial standard of 1.0 mg/kg are in bold.
All composite sample results indicating possible exceedance are in italic.

[1] Total PCBs listed in this table represent the sum of the individual analyte concentrations greater than the Reportable Detection Limits (RDLs). Total PCBs listed as less than a specified concentration represent the RDL for each individual analyte, and do not represent the sum of the individual analyte RDLs.

[2] Total PCBs = Aroclor 1254.

TABLE 4

STATISTICAL ANALYSIS OF BUILDING MATERIAL SUBSTRATE SAMPLES FOR PRE-VERIFICATION

Eli Whitney Technical Hightschool Demolition and Renovation Project

Hamden, Connecticut

IE3					
Distance From PCB Bulk Product Waste	Average Concentration (mg/kg)	Max Concentration (mg/kg)	Minimum Concentration (mg/kg)	No. of Samples/Failures	Number of Non-Detects
6"	1.772	2.69	0.854	2/1	0
10"	1.473	1.785	1.16	2/2	0
18"	0.983	1.95	ND <0.0578	3/1	1
24"	0.999	3.75	ND<0.052	15/5	3
36"	0.839	2.09	0.0935	12/5	0
48"	0.592	1.098	0.113	10/2	0
60"	0.219	0.245	0.192	2/0	0
E2					
Distance	Average	Max	Min	No./Failures	ND
6"	0.568	2.22	ND <0.0708	5/1	1
12"	0.135	0.78	ND <0.0541	20/0	8
E1					
Distance	Average	Max	Min	No./Failures	ND
3"	-	-	ND <0.0655	1/0	1
6"	-	-	ND <0.0613	3/0	3
12"	0.070	0.299	ND <0.0653	9/0	8
IC4					
Distance	Average	Max	Min	No./Failures	ND
Sill	5.490	11.68	1.65	4/4	0
6"	2.810	4.78	0.965	12/11	0
1 Course CMU	1.768	3.21	0.326	2/1	0
2 Courses CMU	1.353	3.26	ND<0.049	7/4	2
4 Courses CMU	0.420	0.715	ND<0.0624	4/0	1
IC5					
Distance	Average	Max	Min	No./Failures	ND
6"	0.804	0.804	0.804	1/0	0
9"	0.542	0.693	0.391	2/0	0
IDC4					
Distance	Average	Max	Min	No./Failures	ND
6"	2.090	2.09	2.09	1/1	0
9"	1.502	1.5	1.5	1/1	0
12"	2.175	2.98	1.37	2/2	0
24"	0.544	1.06	ND <0.0571	2/1	1
36"	0.719	0.766	0.671	2/0	0
48"	0.4100	0.578	0.241	2/0	0
IC9					
Distance	Average	Max	Min	No./Failures	ND
12"	3.420	3.420	3.420	1/1	0
24"	0.605	0.605	0.605	1/0	0
30"	0.338	0.338	0.338	1/0	0
C2					
Distance	Average	Max	Min	No./Failures	ND
3"	-	-	ND<0.0606	1/0	1
6"	-	-	ND<0.052	6/0	6
12"	-	-	ND<0.0449	13/0	13

Notes:

For samples where the detected concentrations of PCBs were below the detection limits (ND), average concentrations were determined by using half the reporting limit.

TABLE 5
QUANTIFICATION OF MATERIALS TO BE ABATED AND VERIFICATION SAMPLE ESTIMATE
Eli Whitney Technical High School
Hamden, CT

Material ID	Material Type and Description	Locations	Planned Abatement	Verification Samples
FEDERALLY REGULATED PCB BUILDING MATERIALS				
IDC4	Interior Door Caulk. Pliable gray caulk found around interior door frames between the frame and CMU block.	Wing B; Interior hallway doors	Remove 70 Linear Feet (LF) of caulk, metal door frame and 48" of CMU out from the caulked seam.	No additional verification samples; pre-verified.
		Wing C; Welding shop door along west side of building		
		Wing D; LPN Theory Lab		
IE3	Interior Expansion Joint Caulk. Off-white, interior vertical expansion joint caulk found at expansion joints between CMU block.	Wing B; Metal storage room in southeast corner of building	Remove 485 LF of caulk and 1 course of CMU on either side of the joint.	1 verification sample per every 50 LF of cut surface. Approximately 20 samples.
		Wing B; Carpentry classroom in southwest corner of building		
		Wing B; Staircase in northern portion of building		
		Wing C; Throughout autobody shop		
		Wing D; Throughout hallway on the 1st floor and on 2nd floor		
IC4	Interior Miscellaneous Caulk. Grey, rubbery interior window caulk found along the bottom of window unit, between the frame and a concrete sill.	Wing B; Storage areas in the southern portion of the building	Remove 597 LF of window caulk, metal window frame, concrete sill, and 1 course of CMU below sill.	1 verification sample per every 50 LF of cut surface. Approximately 12 samples.
		Wing B; Graphics room along the western wall of the building		
		Wing D; Eastern and western walls of classrooms		
IC5	Interior Miscellaneous Caulk. Dark brown rubbery caulk found between the metal window frame and CMU block.	Wing C; Around door in culinary kitchen	Remove 40 LF of caulk, metal doorframe, and 9" of adjacent substrate or 1 course of CMU, whichever is greater.	No additional verification samples; pre-verified.
		Wing D; Northeastern side of foyer, along the northern side of building		
IC9	Interior Miscellaneous Caulk. Tan door frame caulk, found around door frame, between the metal door frame and CMU block.	Wing D; Small office in Room D15	Remove 16 LF of caulk, metal doorframe, and 30" of adjacent substrate or 2 courses of CMU, whichever is greater.	No additional verification samples; pre-verified.
E1	Exterior Expansion Joint Caulk. Grey, rubbery exterior expansion joint caulk found at vertical expansion joints between brick.	Wing A; West side of building, 1st and 2nd floors	Remove 308 LF of caulk and 12" of adjacent brick substrate on either side of the joint.	No additional verification samples; pre-verified.
		Wing C; East side of building, outside of cafeteria		
E2	Exterior Expansion Joint Caulk. Dark grey rubber expansion joint caulk found at vertical expansion joints between brick.	Wing B; Southern portion of building	Remove 475 LF of caulk and 12" of adjacent brick substrate on either side of the joint.	No additional verification samples; pre-verified.
		Wing B; Western and northern portion of building		
		Wing C; Corner of the building, outside autobody shop		
		Wing D; Along east and west walls of building		
C2	Exterior Window Caulk. Light grey rubber exterior window caulk, found along the vertical sides of the window frame, between the window frame and brick.	Wing A; North side of building, eastern side of main entrance	Remove 1,898 LF of caulk, adjacent metal window frame, adjacent metal lintel, and 12" of adjacent brick substrate where present.	No additional verification samples; pre-verified.
		Wing B; Along west side of building outside graphics lab		
		Wing C; Along east side of wall, outside autobody shop		
		Wing C; Along east and west walls on southern portion of building		
		Wing C; Along eastern wall outside cafeteria and along vents		
		Wing C; along northern wall		
		Wing D; Along east and west walls of the central portion of building		
		Wing D; Along eastern wall of the southern portion of the building		
G4	Exterior Window Glazing. Thin white exterior window glaze, found between glass panes and metal window frame.	Wing B; East and West exterior walls of the building	Glazing is present on numerous window panes, between metal frame and glass; remove entire window and frame.	No verification samples needed; entire window unit to be removed.
		Wing C; east and west exterior walls on southern side of building		
		Wing C; outside of cafeteria and culinary kitchen		
		Wing D; east and west exterior walls of first and second floor		
G7	Exterior Window Glazing. Thin white exterior window glaze, found between glass panes and metal window frame.	Wing B; western exterior wall outside print shop	Glazing is present on numerous window panes, between metal frame and glass; remove entire window and frame.	No verification samples needed; entire window unit to be removed.
IG7	Interior Window Glazing. Dark brown, hard interior window glaze, found between glass panes and metal frames.	Wing A; outside the health tech lab	Remove window and frame.	No verification samples needed; entire window unit to be removed.
IG8	Interior Window Glazing. Found between glass panes and metal frames.	Wing D; Northeastern side of foyer, along the northern side of building	Remove window and frame.	No verification samples needed; entire window unit to be removed.
NA	Soil (PCB Remediation Waste) <50 mg/kg PCBs. Found along the western exterior wall of Wing D.	Wing D; Adjacent to the western exterior wall of the building.	Remove soil to a depth of 1 ft. There are 5 areas requiring remediation, each area is 5 ft. wide by 20 ft. long.	60 grab soil samples composited into 30 samples.

TABLE 5
QUANTIFICATION OF MATERIALS TO BE ABATED AND VERIFICATION SAMPLE ESTIMATE
Eli Whitney Technical High School
Hamden, CT

Material ID	Material Type and Description	Locations	Planned Abatement	Verification Samples
NON-FEDERALLY REGULATED PCB BUILDING MATERIALS				
IC1	Interior window/wall caulk. Found between CMU and metal window frame.	Wing D; 1st floor Health Building bathrooms	Remove 11 LF of caulk and metal window frame.	No additional verification samples.
IC2	Hard grey interior caulk found around A/C Units.	Wing D; 2nd floor along the western wall	Remove 48 LF of caulk and dispose.	No additional verification samples.
IC3	Beige, rubbery interior wall caulk found between metal frame and CMU.	Wing D; 2nd floor along eastern wall in Teacher's Lounge bathroom	Remove 3 LF of caulk and dispose.	No additional verification samples.
IC6	Hard brown window wall caulk. Found between metal frame and CMU.	Wing C; 1st floor, west side entry near bakery	Remove 53 LF of caulk and dispose.	No additional verification samples.
C5	Brittle white exterior caulk around air vents.	Wing C; 2nd floor (roof)	Remove 18 LF of caulk and dispose.	No additional verification samples.
C8	Brittle white exterior caulk. Found between metal frame and brick.	Wing C; 1st floor, northern portion of building	Remove 21 LF of caulk and dispose.	No additional verification samples.
C9	Hard brown exterior caulk. Found between metal vents and brick.	Wing A; 1st and 2nd floors, around vents	Remove 100 LF of caulk and dispose.	No additional verification samples.
C14	Hard tan interior caulk. Found between metal frame and CMU.	Wing C; 2nd floor (roof), around door	Remove 19 LF of caulk and dispose.	No additional verification samples.
IG1	Brittle grey interior window glazing. Found between glass pane and metal frame.	Wing A; 1st and 2nd floors Wing C; 1st floor autobody shop Wing C; 1st floor around cafeteria (G2 also present)	Remove entire window unit and dispose.	No additional verification samples.
IG2	Black interior window glazing. Found between glass pane and metal frame.	Wing A; 1st and 2nd floor	Remove entire window unit and dispose.	No additional verification samples.
IG3	Interior white window glazing. Found between glass pane and metal frame.	Wing A; 2nd floor	Remove entire window unit and dispose.	No additional verification samples.
IG4	Interior white window glazing. Found between glass pane and metal frame.	Wing B; Located on windows with Federally regulated materials (IC4)	Window unit removed and handled as a federally regulated material.	No additional verification samples.
IG5	Sticky grey interior window glazing. Found between glass pane and metal frame.	Wing A; 1st floor Wing C; 1st floor, autobody shop and cafeteria area	Remove entire window / door unit and dispose.	No additional verification samples.
IG11	Thick grey interior window glazing. Found between glass pane and metal frame.	Wing B; 1st floor and interior windows Wing C; 1st floor	Remove entire window unit and dispose.	No additional verification samples.
IG12	Hard grey/green interior window glazing. Found between glass pane and metal frame.	Wing C; 1st floor, auto repair classroom	Remove entire window unit and dispose.	No additional verification samples.
IG14	Hard beige interior window glazing. Found between glass pane and metal frame.	Wing A; 1st and 2nd floor	Remove entire window unit and dispose.	No additional verification samples.
IG17	White crumbly widow door glazing. Found between glass pane and metal frame.	Wing D; 2nd floor	Remove entire window / door unit and dispose.	No additional verification samples.
IG18	Interior grey window/door glazing. Found between glass pane and metal frame.	Wing C; 1st floor, southern end of building Wing D; 1st floor, throughout wing	Remove entire window / door unit and dispose.	No additional verification samples.
IG22	Grey interior window glazing. Found between glass pane and metal frame.	Wing B; 1st floor, Drafting classroom	Remove entire window unit and dispose.	No additional verification samples.
IG23	Hard light grey interior door/window glazing	Wing B; 1st floor, interior classroom doors	Remove entire window / door unit and dispose.	No additional verification samples.
G2	Exterior white window glazing. Found between glass pane and metal frame.	Wing C; 1st floor along exterior walls in cafeteria and gym area Wing C; 2nd floor gym windows	Remove entire window unit and dispose.	No additional verification samples.
IE2	White/grey interior expansion joint caulk. Found between brick.	Wing C; 1st floor, culinary arts area Wing D; 1st and 2nd floor	Remove 46 LF of caulk.	No additional verification samples.
IE4	Tan hard interior expansion joint caulk. Found between brick.	Wing B; 1st floor hallway Wing D; 1st floor hallway	Remove 66 LF of caulk.	No additional verification samples.
E3	White exterior expansion joint caulk. Found between brick.	Wing A; 2nd floor Wing C; 1st and 2nd floors Wing D; 1st floor	Remove 470 LF of caulk.	No additional verification samples.

FIGURES

0 200' 400'

GRAPHIC SCALE

J:\CAD\180012\SIP\
Fig-1.dwg Layout:FIG-1 March 07, 2011-2:19PM Raloma

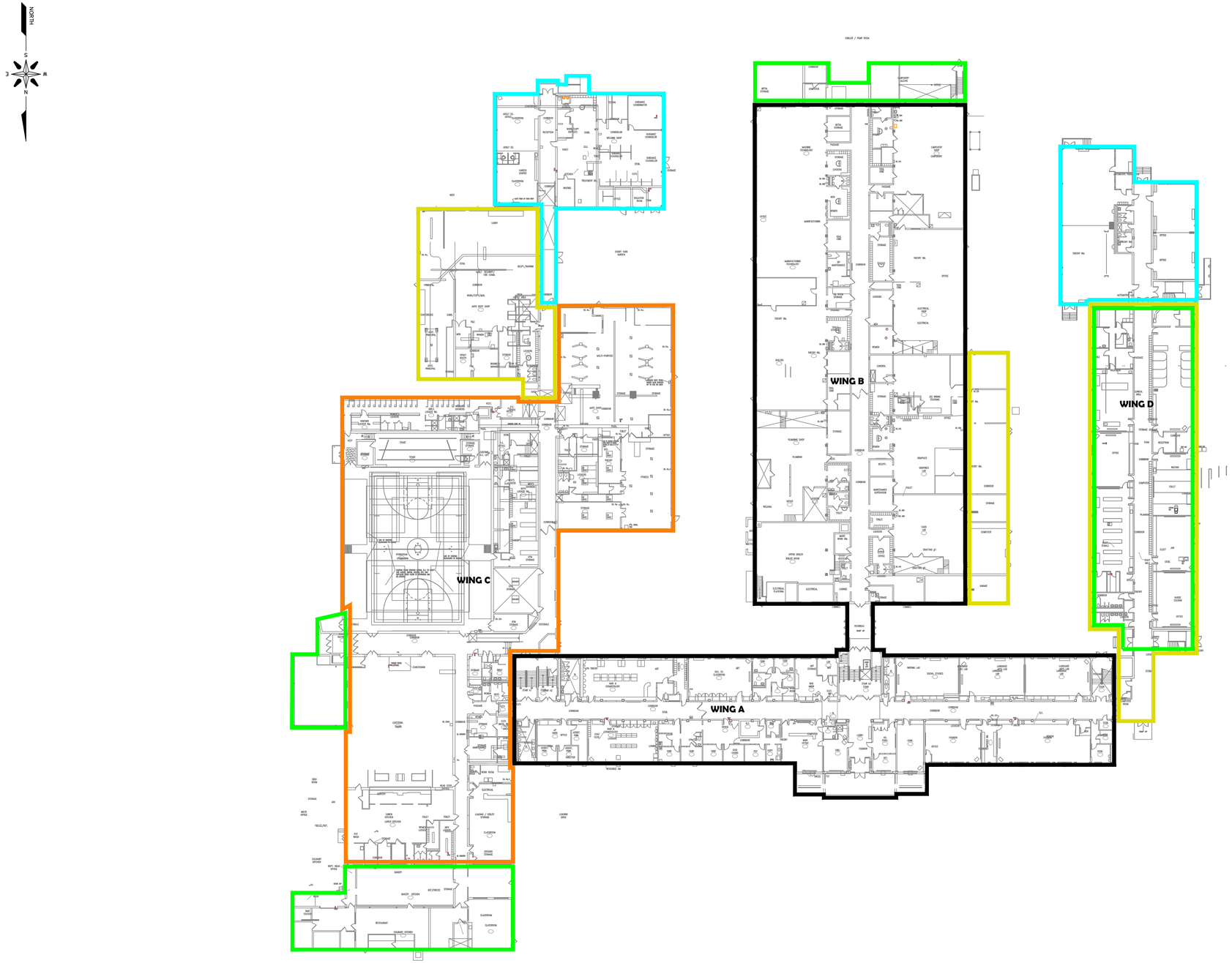
STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY:
TRC
21 Griffin Road North
Windsor, CT 06095

PROJECT:
SITE AERIAL
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

PROJECT NO:

DATE: 10-08-10
SCALE: 1"=200'
DRAWN BY: REA
APPROVED BY: MB
DRAWING NO.: FIG-1



LEGEND OF SYMBOLS

	1954 ORIGINAL CONSTRUCTION
	1958 CONSTRUCTION
	1969 CONSTRUCTION
	1972 RENOVATION
	1979 CONSTRUCTION AND RENOVATION

0 30' 60'
GRAPHIC SCALE

DRAWING TITLE:
MAIN FLOOR

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

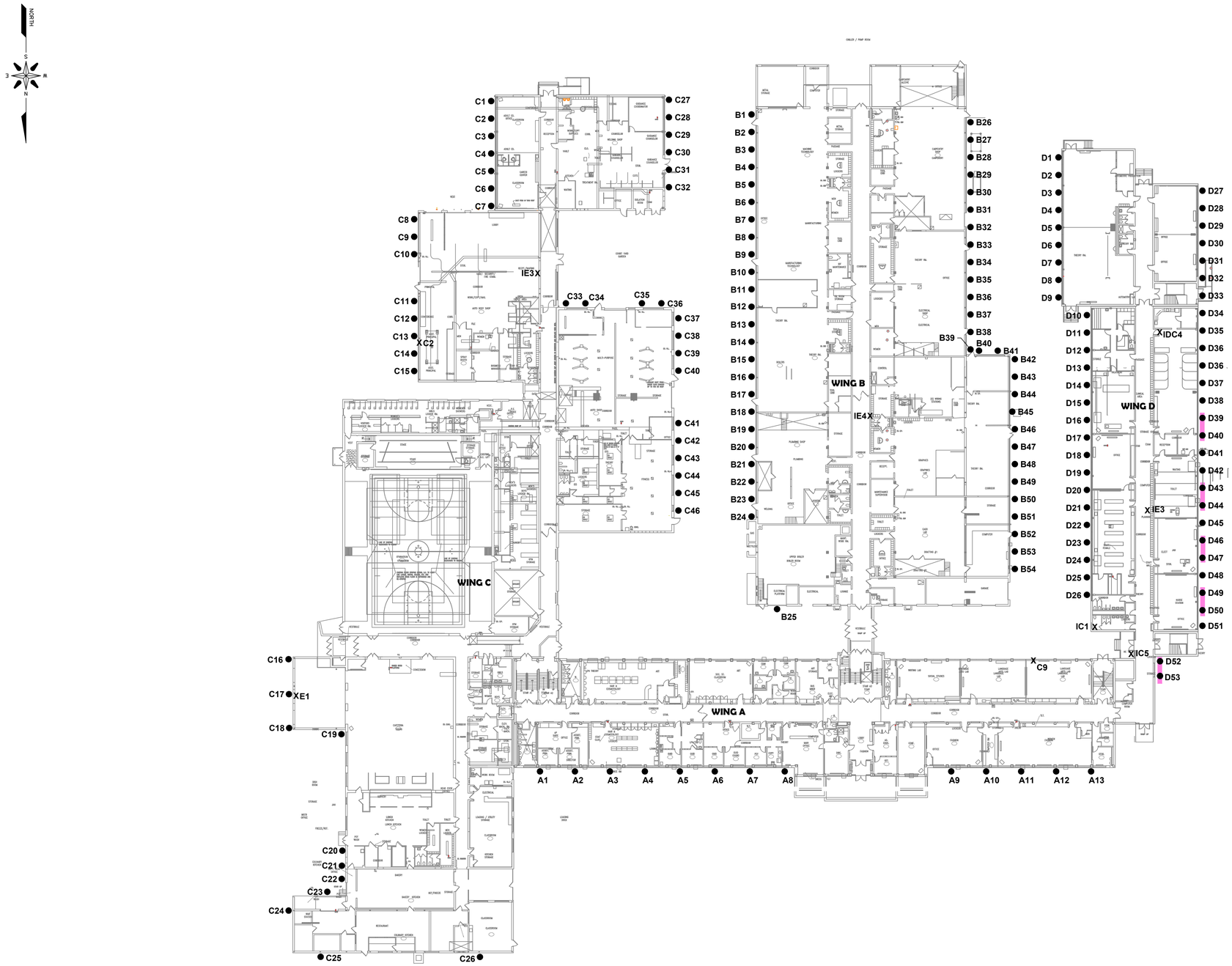
DRAWING PREPARED BY:
TRC 21 Griffin Road North Windsor, CT 06095

PROJECT: BUILDING CONSTRUCTION AND RENOVATION HISTORY
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

PROJECT NO:

DATE: 11-10-10
SCALE: 1"=30'
DRAWN BY: REA
APPROVED BY: MB
DRAWING NO.: FIG-2

J:\CAD\180012\SIP\
FIG-2.dwg Layout:FIG-2 March 07, 2011-2:21PM Raloma



LEGEND OF SYMBOLS	
● D52	SURFACE COVER SAMPLE LOCATIONS
XIC1	BUILDING MATERIAL SAMPLE LOCATIONS
▬	SOIL REMEDIATION AREAS

0 30' 60'
GRAPHIC SCALE

DRAWING TITLE:
MAIN FLOOR

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY:
TRC 21 Griffin Road North Windsor, CT 06095

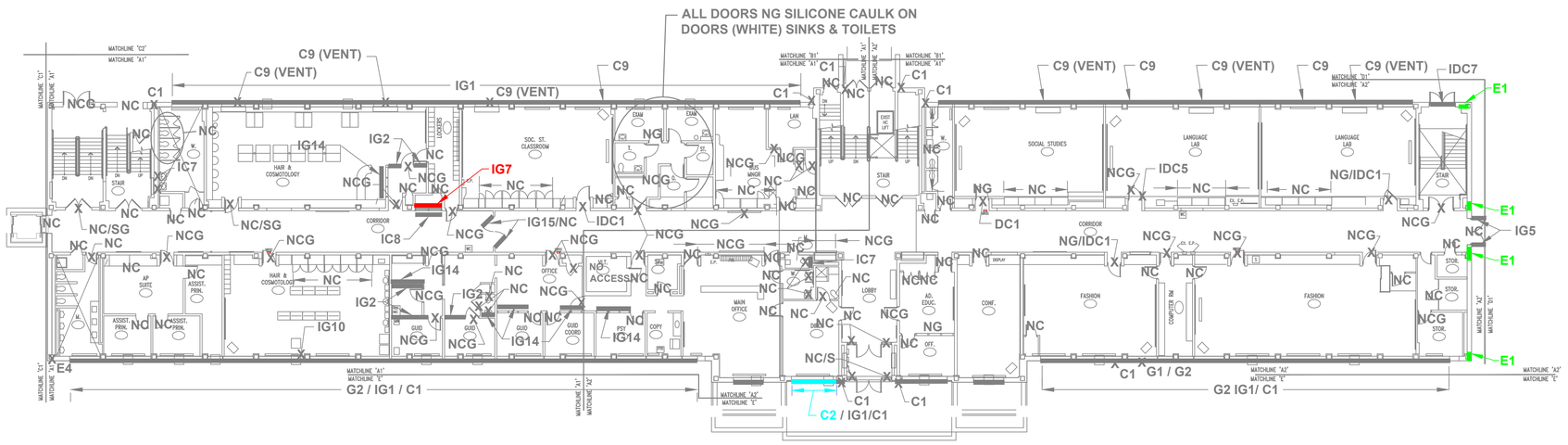
PROJECT: SURFACE COVER AND BUILDING MATERIAL SAMPLE LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

PROJECT NO:

DATE: 11-15-10
SCALE: 1"=30'
DRAWN BY: REA
APPROVED BY: MB
DRAWING NO.: FIG-3

J:\CAD\180012\SIP\Sampling Workplans\
FIG-3.dwg Layout:FIG-3 March 07, 2011--2:30PM Raloma

PCB Bulk Product Wastes (Federally Regulated Materials)			
Sample ID	**Sample Description**	**Material Locations**	**Total PCBs (mg/kg)**
Door Caulk			
IDC4	Interior grey pliable door caulk	LPN Theory lab	43,000E
Expansion Joint Caulk			
E1	Exterior expansion joint caulk grey rubber over foam	NW corner of main building	85,000E
		East side of cafeteria building	
E2	Exterior dark grey rubber expansion joint caulk	West side hall b/w main bldg & Health bldg.	12,000E
IE3	Interior off white expansion joint caulk	Health Bldg rooms D-9 and D-7	110,000
		Hall b/w Health Bldg & Main Bldg	
		Auto Body Shop (expansion joints and doors)	
Window Glaze			
G4	Exterior thin white window glazing	East side auto body shop	820
		West side Shop building	
		Southwest side Health building	
G7	Exterior thick grey window glazing	West side shop building replacement window	140
IG7	Interior dark brown hard glazing on interior window panel	Health Tech lab area	3,300
IG8	Interior window wall glazing	Northeast entry foyer of Health Bldg	1,900E
IG21	Tan door window glazing	B-wing	1,700
Miscellaneous Caulk			
C2	Exterior light grey rubber window caulk	North kitchen windows	55,000E
		East loading dock/kitchen windows	
		East Auto body Shop replacement window	
		West hall window b/w main bldg & Health bldg.	
IC4	Interior grey rubbery along window & wall	Throughout 1st floor of Health Bldg	53,000E
IC5	Interior dark brown rubbery window wall caulk	Northeast entry foyer of Health Bldg	54,000E
IC9	Tan door and window frame caulk	1st floor D-wing	43,200



LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: MAIN FLOOR A–WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY: TRC 21 Griffin Road North Windsor, CT 06095

PROJECT: MAIN FLOOR A -WING
CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

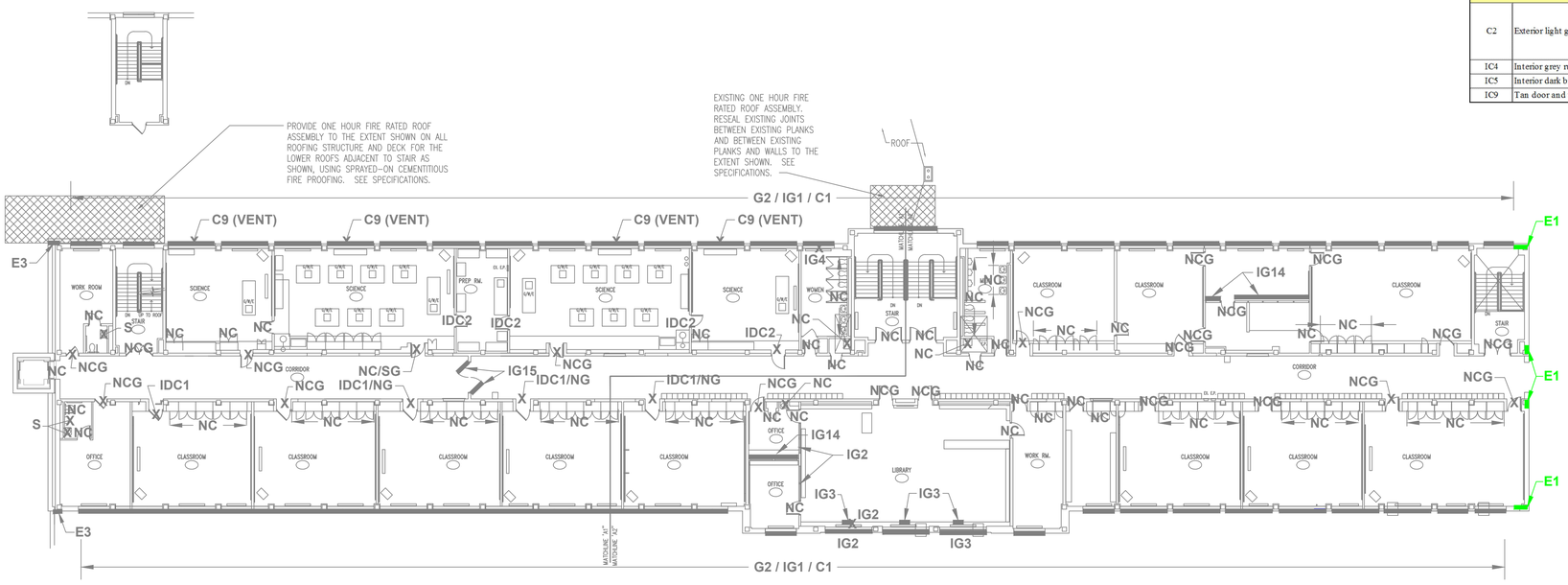
PROJECT NO:

DATE: 03-02-11
SCALE: 1/16"=1'-0"
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-4

J:\CAD\180012\Federally Reg\
FIG-4-Main A.dwg Layout:FIG-4-MAIN-A WING March 07, 2011-1:47PM Raloma

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

PCB Bulk Product Wastes (Federally Regulated Materials)			
Sample ID	**Sample Description**	**Material Locations**	**Total PCBs (mg/kg)**
Door Caulk			
IDC4	Interior grey pliable door caulk	LPN Theory lab	43,000E
Expansion Joint Caulk			
E1	Exterior expansion joint caulk grey rubber over foam	NW corner of main building	85,000E
		East side of cafeteria building	
E2	Exterior dark grey rubber expansion joint caulk	West side hall b/w main bldg & Health bldg.	12,000E
IE3	Interior off white expansion joint caulk	Health Bldg rooms D-9 and D-7	110,000
		Hall b/w Health Bldg & Main Bldg	
		Auto Body Shop (expansion joints and doors)	
Window Glaze			
G4	Exterior thin white window glazing	East side auto body shop	820
		West side Shop building	
		Southwest side Health building	
G7	Exterior thick grey window glazing	West side shop building replacement window	140
IG7	Interior dark brown hard glazing on interior window panel	Health Tech lab area	3,300
IG8	Interior window wall glazing	Northeast entry foyer of Health Bldg	1,900E
IG21	Tan door window glazing	B-wing	1,700
Miscellaneous Caulk			
C2	Exterior light grey rubber window caulk	North kitchen windows	55,000E
		East loading dock/kitchen windows	
		East Auto body Shop replacement window	
		West hall window b/w main bldg & Health bldg.	
IC4	Interior grey rubbery along window & wall	Throughout 1st floor of Health Bldg	53,000E
IC5	Interior dark brown rubbery window wall caulk	Northeast entry foyer of Health Bldg	54,000E
IC9	Tan door and window frame caulk	1st floor D-wing	43,200



LEGEND OF SYMBOLS	
ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: SECOND FLOOR A-WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY: TRC, 21 Griffin Road North, Windsor, CT 06095

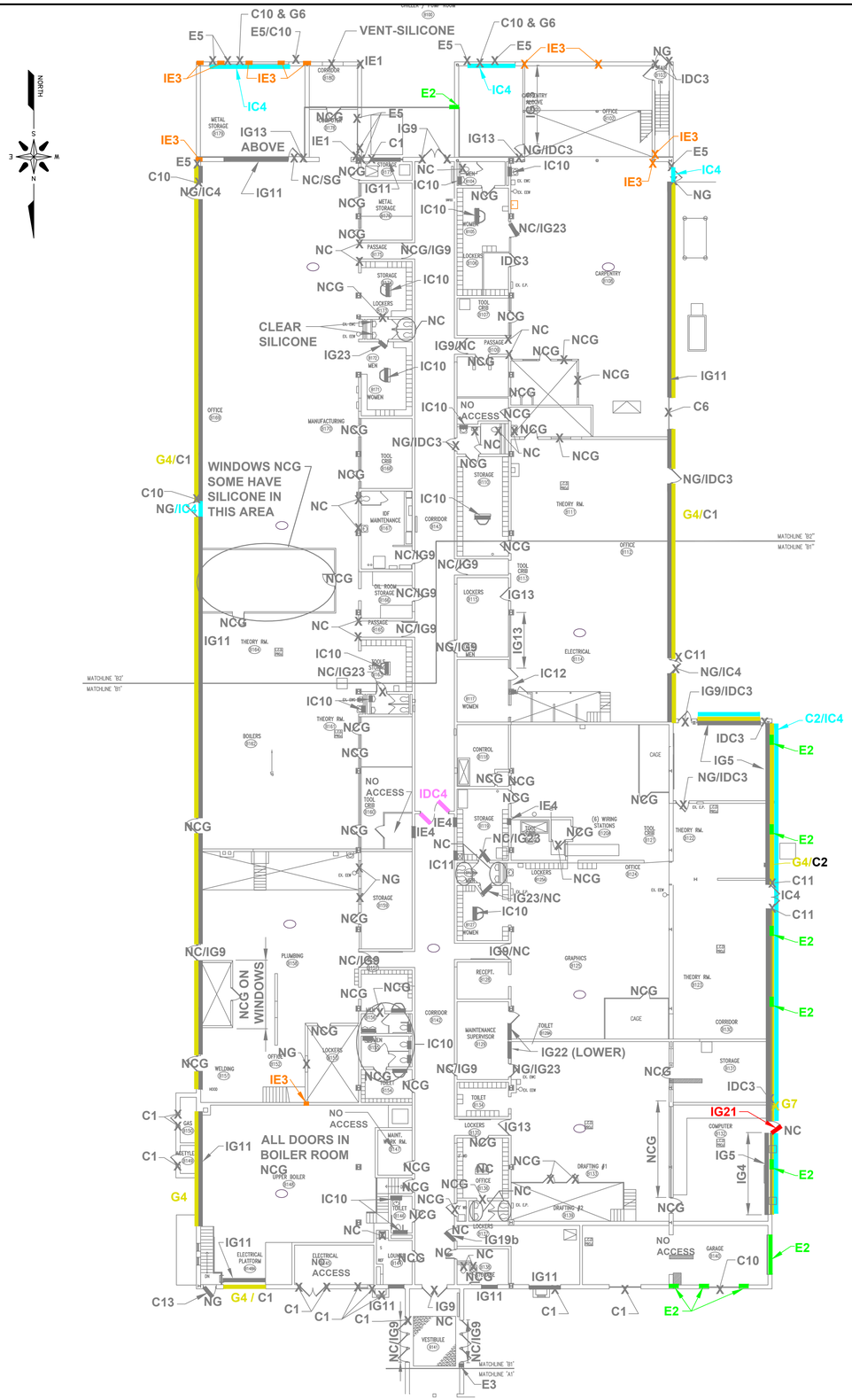
PROJECT: SECOND FLOOR A -WING
CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

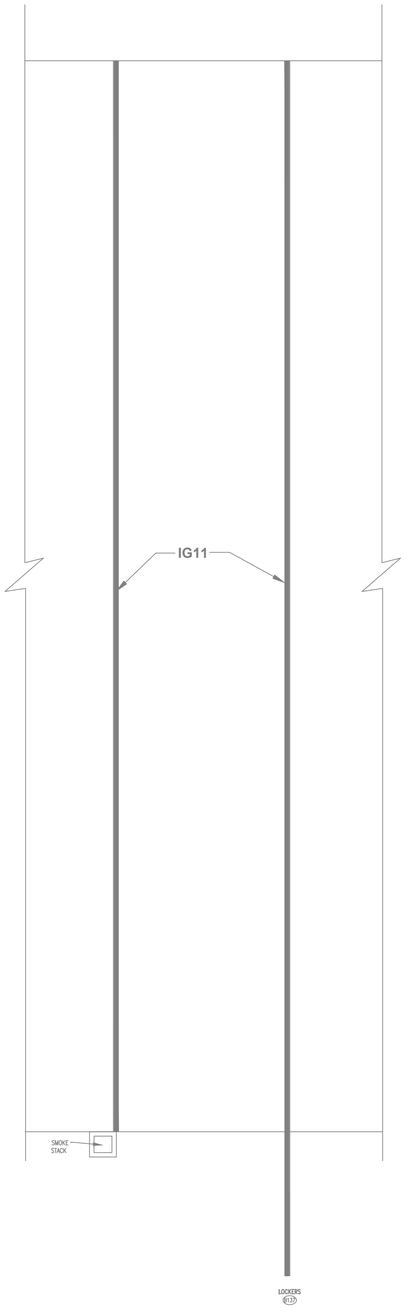
PROJECT NO:

DATE: 03-02-11
SCALE: 1/16"=1'-0"
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-5

J:\CAD\180012\Federally Reg\
FIG-5-Upper A.dwg Layout:FIG-5-SECOND A-WING March 07, 2011-1:51PM Raloma

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT





B-WING CORRIDOR / SHOP
UPPER WINDOWS

PCB Bulk Product Wastes (Federally Regulated Materials)			
Sample ID	**Sample Description**	**Material Locations**	**Total PCBs (mg/kg)**
Door Caulk			
IDC4	Interior grey pliable door caulk	LPN Theory lab	43,000E
Expansion Joint Caulk			
E1	Exterior expansion joint caulk grey rubber over foam	NW corner of main building	85,000E
		East side of cafeteria building	
E2	Exterior dark grey rubber expansion joint caulk	West side hall b/w main bldg & Health bldg.	12,000E
IE3	Interior off white expansion joint caulk	Health Bldg rooms D-9 and D-7	110,000
		Hall b/w Health Bldg & Main Bldg	
		Auto Body Shop (expansion joints and doors)	
Window Glaze			
G4	Exterior thin white window glazing	East side auto body shop	820
		West side Shop building	
		Southwest side Health building	
G7	Exterior thick grey window glazing	West side shop building replacement window	140
IG7	Interior dark brown hard glazing on interior window panel	Health Tech lab area	3,300
IG8	Interior window wall glazing	Northeast entry foyer of Health Bldg	1,900E
IG21	Tan door window glazing	B-wing	1,700
Miscellaneous Caulk			
C2	Exterior light grey rubber window caulk	North kitchen windows	55,000E
		East loading dock/kitchen windows	
		East Auto body Shop replacement window	
		West hall window b/w main bldg & Health bldg.	
IC4	Interior grey rubbery along window & wall	Throughout 1st floor of Health Bldg	53,000E
IC5	Interior dark brown rubbery window wall caulk	Northeast entry foyer of Health Bldg	54,000E
IC9	Tan door and window frame caulk	1st floor D-wing	43,200

LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: MAIN FLOOR B–WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

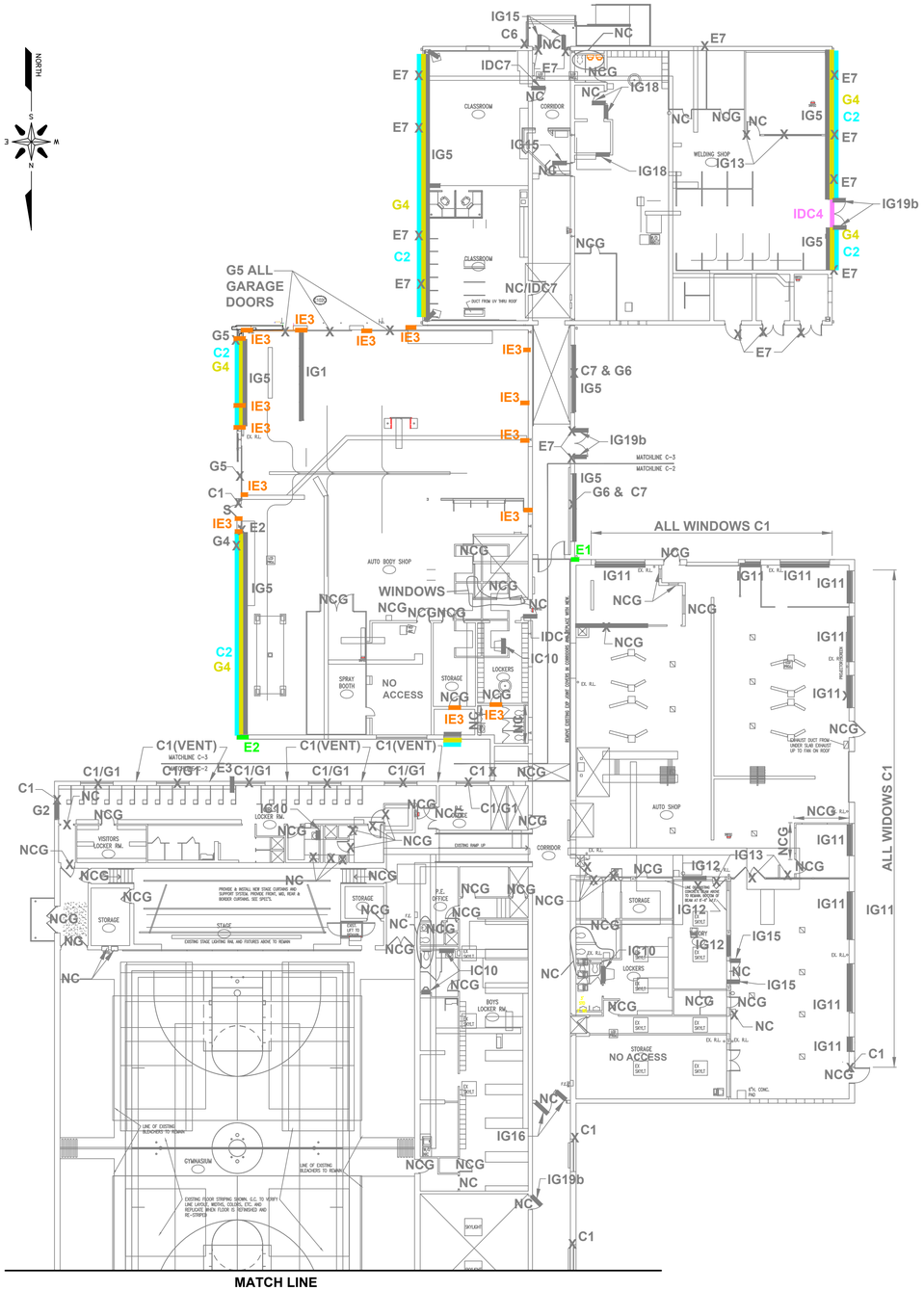
DRAWING PREPARED BY:
TRC 21 Griffin Road North Windsor, CT 06095

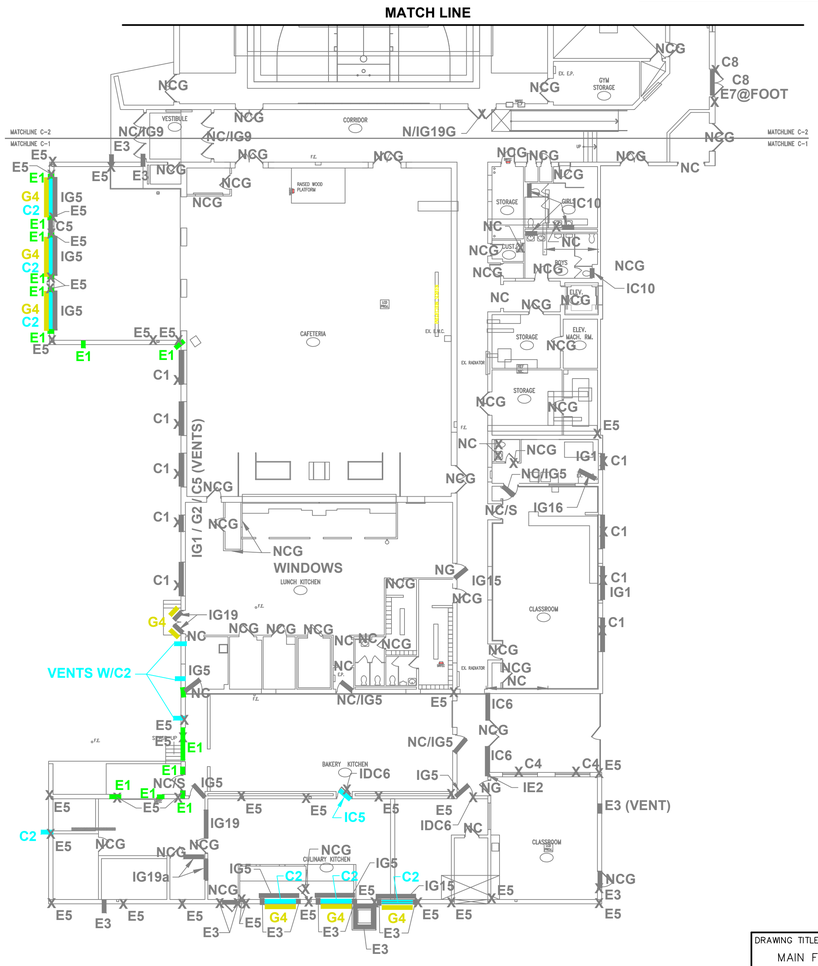
DATE: 03-02-11
SCALE: AS NOTED
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-6

PROJECT: MAIN FLOOR B -WING
CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

PROJECT NO:

J:\CAD\180012\Federally Reg\
FIG-6-Main B.dwg Layout:FIG-6-MAIN B WING March 07, 2011-1:53PM Ralomo





PCB Bulk Product Wastes (Federally Regulated Materials)			
Sample ID	**Sample Description**	**Material Locations**	**Total PCBs (mg/kg)**
Door Caulk			
IDC4	Interior grey pliable door caulk	LPN Theory lab	43,000E
Expansion Joint Caulk			
E1	Exterior expansion joint caulk grey rubber over foam	NW corner of main building	85,000E
		East side of cafeteria building	
E2	Exterior dark grey rubber expansion joint caulk	West side hall b/w main bldg & Health bldg.	12,000E
IE3	Interior off white expansion joint caulk	Health Bldg rooms D-9 and D-7	110,000
		Hall b/w Health Bldg & Main Bldg	
		Auto Body Shop (expansion joints and doors)	
Window Glaze			
G4	Exterior thin white window glazing	East side auto body shop	820
		West side Shop building	
		Southwest side Health building	
G7	Exterior thick grey window glazing	West side shop building replacement window	140
IG7	Interior dark brown hard glazing on interior window panel	Health Tech lab area	3,300
IG8	Interior window wall glazing	Northeast entry foyer of Health Bldg	1,900E
IG21	Tan door window glazing	B-wing	1,700
Miscellaneous Caulk			
C2	Exterior light grey rubber window caulk	North kitchen windows	55,000E
		East loading dock/kitchen windows	
		East Auto body Shop replacement window	
		West hall window b/w main bldg & Health bldg.	
IC4	Interior grey rubbery along window & wall	Throughout 1st floor of Health Bldg	53,000E
IC5	Interior dark brown rubbery window wall caulk	Northeast entry foyer of Health Bldg	54,000E
IC9	Tan door and window frame caulk	1st floor D-wing	43,200

LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: MAIN FLOOR C–WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

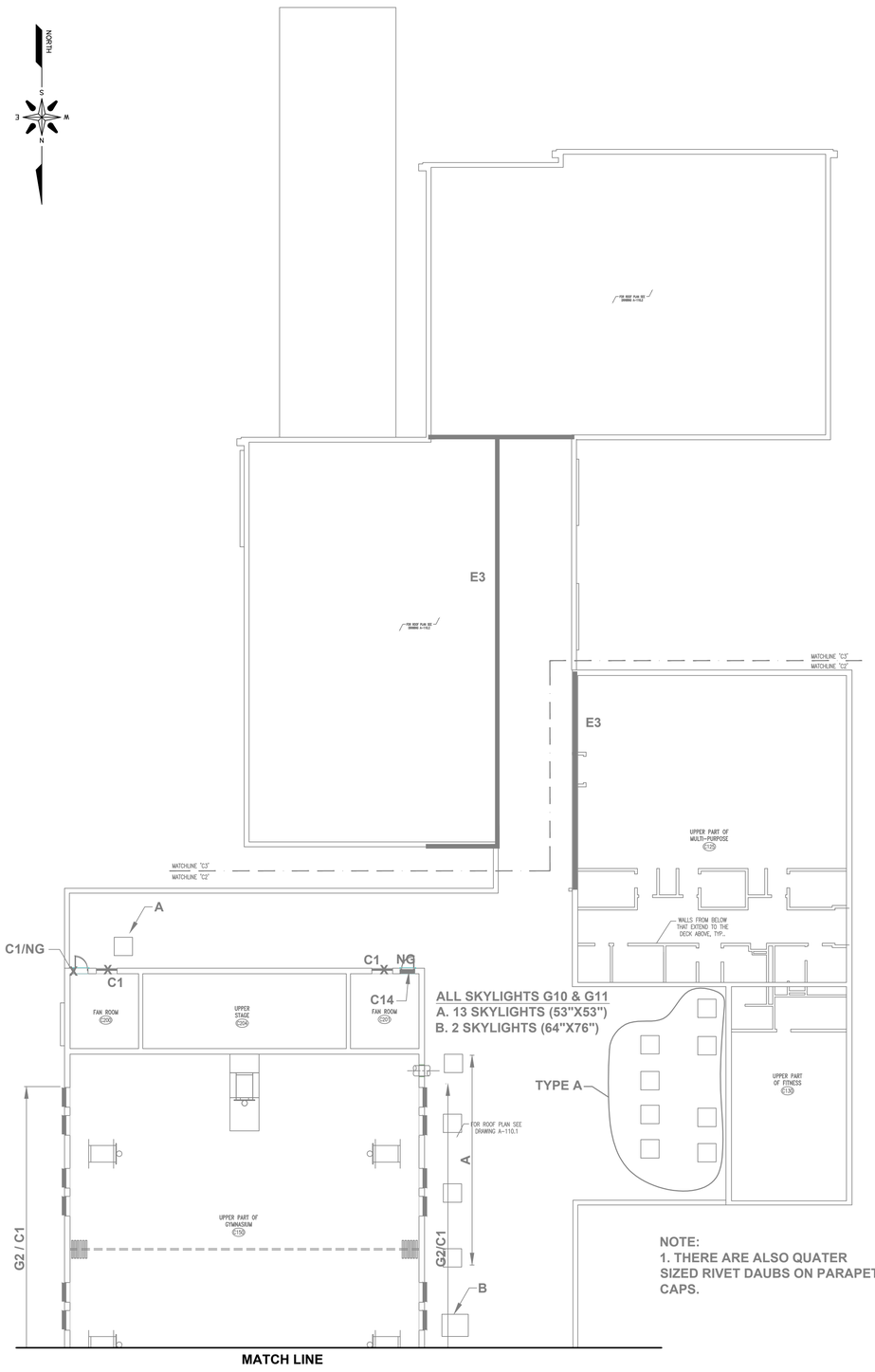
DRAWING PREPARED BY: TRC, 21 Griffin Road North, Windsor, CT 06095

DATE: 03-02-11
SCALE: 1/16"=1'-0"
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-7

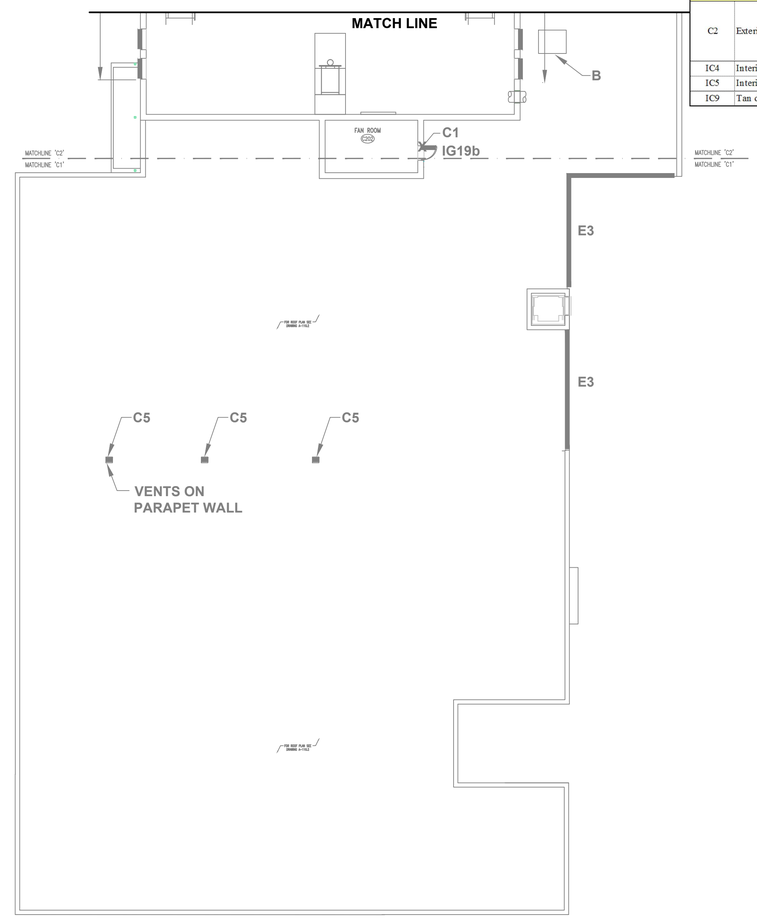
PROJECT: MAIN FLOOR C -WING
CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

PROJECT NO:

J:\CAD\180012\Federally Req\
FIG-7-Main C.dwg Layout:FIG-7-MAIN-C WING March 07, 2011-1:55PM Raloma



NOTE:
1. THERE ARE ALSO QUATER SIZED RIVET DAUBS ON PARAPET CAPS.



PCB Bulk Product Wastes (Federally Regulated Materials)

Sample ID	Sample Description	Material Locations	Total PCBs (mg/kg)
Door Caulk			
IDC4	Interior grey pliable door caulk	LPN Theory lab	43,000E
Expansion Joint Caulk			
E1	Exterior expansion joint caulk grey rubber over foam	NW corner of main building	85,000E
		East side of cafeteria building	
E2	Exterior dark grey rubber expansion joint caulk	West side hall b/w main bldg & Health bldg.	12,000E
IE3	Interior off white expansion joint caulk	Health Bldg rooms D-9 and D-7	110,000
		Hall b/w Health Bldg & Main Bldg	
		Auto Body Shop (expansion joints and doors)	
Window Glaze			
G4	Exterior thin white window glazing	East side auto body shop	820
		West side Shop building	
		Southwest side Health building	
G7	Exterior thick grey window glazing	West side shop building replacement window	140
IG7	Interior dark brown hard glazing on interior window panel	Health Tech lab area	3,300
IG8	Interior window wall glazing	Northeast entry foyer of Health Bldg	1,900E
IG21	Tan door window glazing	B-wing	1,700
Miscellaneous Caulk			
C2	Exterior light grey rubber window caulk	North kitchen windows	55,000E
		East loading dock/kitchen windows	
		East Auto body Shop replacement window	
		West hall window b/w main bldg & Health bldg.	
IC4	Interior grey rubbery along window & wall	Throughout 1st floor of Health Bldg	53,000E
IC5	Interior dark brown rubbery window wall caulk	Northeast entry foyer of Health Bldg	54,000E
IC9	Tan door and window frame caulk	1st floor D-wing	43,200

LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: SECOND FLOOR C–WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

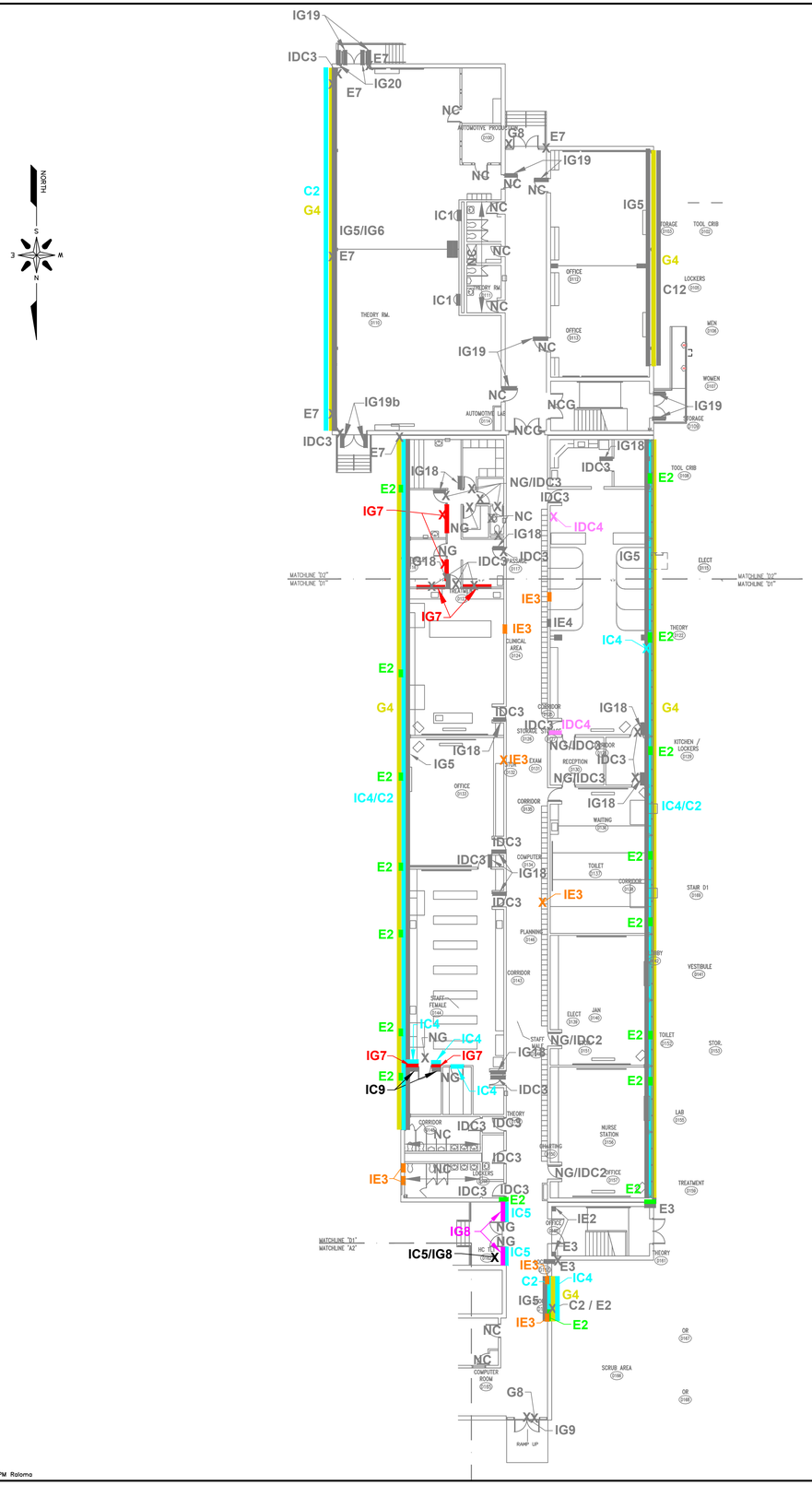
DRAWING PREPARED BY: TRC 21 Griffin Road North Windsor, CT 06095

PROJECT: SECOND FLOOR C -WING
CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

PROJECT NO:

DATE: 03-02-11
SCALE: 1/16"=1'-0"
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-8

J:\CAD\180012\Federally Req\
FIG-8-Upper C.dwg Layout:FIG-8-Upper C Wing March 07, 2011-1:58PM Raloma



PCB Bulk Product Wastes (Federally Regulated Materials)			
Sample ID	**Sample Description**	**Material Locations**	**Total PCBs (mg/kg)**
Door Caulk			
IDC4	Interior grey pliable door caulk	LPN Theory lab	43,000E
Expansion Joint Caulk			
E1	Exterior expansion joint caulk grey rubber over foam	NW corner of main building	85,000E
		East side of cafeteria building	
E2	Exterior dark grey rubber expansion joint caulk	West side hall b/w main bldg & Health bldg.	12,000E
IE3	Interior off white expansion joint caulk	Health Bldg rooms D-9 and D-7	110,000
		Hall b/w Health Bldg & Main Bldg	
		Auto Body Shop (expansion joints and doors)	
Window Glaze			
G4	Exterior thin white window glazing	East side auto body shop	820
		West side Shop building	
		Southwest side Health building	
G7	Exterior thick grey window glazing	West side shop building replacement window	140
IG7	Interior dark brown hard glazing on interior window panel	Health Tech lab area	3,300
IG8	Interior window wall glazing	Northeast entry foyer of Health Bldg	1,900E
IG21	Tan door window glazing	B-wing	1,700
Miscellaneous Caulk			
C2	Exterior light grey rubber window caulk	North kitchen windows	55,000E
		East loading dock/kitchen windows	
		East Auto body Shop replacement window	
		West hall window b/w main bldg & Health bldg.	
IC4	Interior grey rubbery along window & wall	Throughout 1st floor of Health Bldg	53,000E
IC5	Interior dark brown rubbery window wall caulk	Northeast entry foyer of Health Bldg	54,000E
IC9	Tan door and window frame caulk	1st floor D-wing	43,200

LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE:
MAIN FLOOR D–WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY:
TRC 21 Griffin Road North Windsor, CT 06095

DATE: 03-02-11
SCALE: 1/16"=1'-0"
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-9

PROJECT: MAIN FLOOR D -WING
CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

PROJECT NO:

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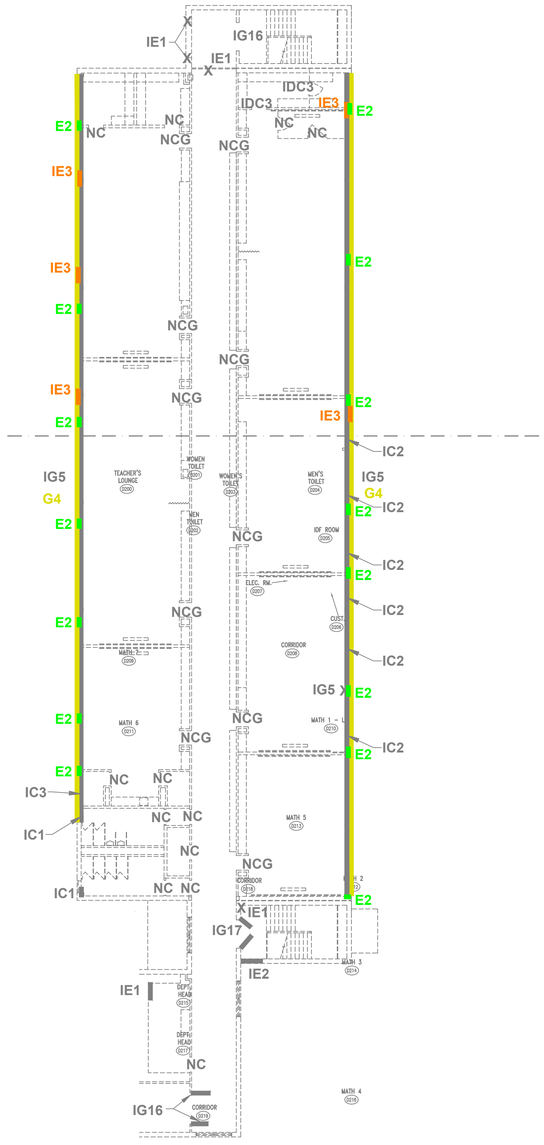
FIG-9-Main D.dwg Layout:FIG-9-MAIN D WING March 07, 2011-2:00PM Raloma



PCB Bulk Product Wastes (Federally Regulated Materials)			
Sample ID	**Sample Description**	**Material Locations**	**Total PCBs (mg/kg)**
Door Caulk			
IDC4	Interior grey pliable door caulk	LPN Theory lab	43,000E
Expansion Joint Caulk			
E1	Exterior expansion joint caulk grey rubber over foam	NW corner of main building	85,000E
		East side of cafeteria building	
E2	Exterior dark grey rubber expansion joint caulk	West side hall b/w main bldg & Health bldg.	12,000E
IE3	Interior off white expansion joint caulk	Health Bldg rooms D-9 and D-7	110,000
		Hall b/w Health Bldg & Main Bldg	
		Auto Body Shop (expansion joints and doors)	
Window Glaze			
G4	Exterior thin white window glazing	East side auto body shop	820
		West side Shop building	
		Southwest side Health building	
G7	Exterior thick grey window glazing	West side shop building replacement window	140
IG7	Interior dark brown hard glazing on interior window panel	Health Tech lab area	3,300
IG8	Interior window wall glazing	Northeast entry foyer of Health Bldg	1,900E
IG21	Tan door window glazing	B-wing	1,700
Miscellaneous Caulk			
C2	Exterior light grey rubber window caulk	North kitchen windows	55,000E
		East loading dock/kitchen windows	
		East Auto body Shop replacement window	
		West hall window b/w main bldg & Health bldg.	
IC4	Interior grey rubbery along window & wall	Throughout 1st floor of Health Bldg	53,000E
IC5	Interior dark brown rubbery window wall caulk	Northeast entry foyer of Health Bldg	54,000E
IC9	Tan door and window frame caulk	1st floor D-wing	43,200

LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: SECOND FLOOR D-WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY: TRC 21 Griffin Road North Windsor, CT 06095

DATE: 03-02-11

SCALE: 1/16"=1'-0"

PROJECT: SECOND FLOOR D -WING CAULK & GLAZING LOCATIONS ELI WHITNEY 71 JONES ROAD HAMDEN, CT

DRAWN BY: REA

APPROVED BY: EP

DRAWING NO.: FIG-10

PROJECT NO:

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FIG-10-Upper D.dwg Layout:FIG-10-SECOND-D-WING March 07, 2011-2:01PM Raloma

APPENDIX A

Non-Federally Regulated PCB-Containing Building Materials Scope of Work

Non-Federally Regulated Caulks and Glazings

The location of those materials classified as Excluded PCB Products (non-federally regulated materials) with total PCB concentrations ≥1 mg/kg and <50 mg/kg based upon sample results of homogenous material are shown on Figures A1 through A7 and a description of the caulks and glazings, as well as the analytical data, are found in Table 1. Sampling of the adjacent building material substrate was performed to determine what, if any, impacts to the surrounding substrates were present as a result of contact with the non-federally regulated caulks. Substrate sample analytical results for the non-federally regulated caulks are presented in Table A1.

Three caulks, C9, IE4, and IC1, were selected for the substrate sample locations as they represented the highest PCB concentrations among the non-federally regulated materials. Glazings were not included in this sample group as they will be removed along with the non-porous materials in which they are in contact. For all three of the caulks, samples of the substrate were collected at the point of contact between the caulk and the substrate by removing the caulk from the joint until it was visibly clean and then samples were collected following the EPA Region 1 SOP for Sampling Concrete . All of the substrate samples from the point of contact were non-detect for PCBs with detection limits less than 0.07 mg/kg. Thus, no impacts from non-federally regulated PCB materials into surrounding building material substrates is believed to have occurred under these "worst case" situations.

As part of the abatement program, all caulks and glazings ≥1 mg/kg and <50 mg/kg will be removed. No removal of associated building substrates or additional verification sampling will be performed. Containments for these removals will be established as described in subsections 3.3.1, 3.3.2, and 3.3.3 for internal and external removals, respectively. Removal will be performed by scraping or other non-dust generating methods until there are no visible remnants of caulk remaining in the joints.

The containment area will be cleaned with either wet wiping or HEPA vacuums to remove all dust from the area.

One wipe sample will be collected within each containment following cleaning of the area. If the analytical result for the wipe sample is <1.0 µg/100 cm2 total PCBs then the area will be considered suitable for re-occupancy. If the wipe sample result is ≥1.0

μg/100 cm2 then the area will be re-cleaned and retested to determine if it is suitable for re-occupancy.

Surface Cover Sampling Beneath Non-Federally Regulated Caulks and Glazings

Non-federally regulated caulks and glazings are located on the northern part of the A-Wing. This two-story structure houses offices and classrooms, and is surrounded to the north by turf with landscaping and the concrete entrance, and to the south by asphalt. Non-federally regulated glazings are found in most of the windows in this structure. These glazings are found above turf, asphalt, and concrete covered areas. Because the total PCB concentration in the glazing is so low, 3.9 mg/kg, no impacts to asphalt and concrete are anticipated. However, the potential for impacts to soil exists and limited sampling was performed.

The 275 feet of lawn and landscaped areas across the north side of the structure required 13 initial sampling points of surface soil. These 13 grab samples were composited into 7 samples for submittal for analysis. All soil sample locations for A Wing are shown on Figure 3 and the analytical data are presented in Table A-2. The data indicate no impacts to soil from potential releases because all of these samples were non-detect for total PCB. Therefore, no further investigation or remediation is proposed for soil in this area.

TABLE A-1
NON-FEDERALLY REGULATED BUILDING SUBSTRATE SAMPLE ANALYTICAL SUMMARY
Eli Whitney Technical School
Hamden, Connecticut

Sample ID	Location Description	Building Substrate Description	Bulk Product Waste Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Interior Building Materials						
IE4-B-0''	Shop Bldg west interior hallway wall, Wing B	Concrete at point of contact with caulked seam	IE4, interior thick tan hard expansion joint caulk at 4.2 mg/kg	10/25/2010	10/26/2010	ND<0.0579
IC1-D-0''	2nd floor bathroom interior window, Wing D	Concrete at point of contact with caulked seam	IC1, interior window/wall caulk in bathroom at 6.3 mg/kg	10/25/2010	10/26/2010	ND<0.0684
Exterior Building Materials						
C9-A-0''	South Side, Wing A	Concrete at point of contact with caulked seam	C9, exterior brown hard caulk at 11 mg/kg	10/25/2010	10/26/2010	ND<0.0552

Notes:

ND< Not detected above the listed detection limit

Remedial standard of <1 mg/kg is the Residential Direct Exposure Criteria from Section 22a-133k-1 through 22a-133k-3 of the State of Connecticut Regulation of Department of Environmental Protection concerning Remediation Standard.

[1] Total PCBs listed in this table represent the sum of the individual analyte concentrations greater than the Reportable Detection Limits (RDLs). Total PCBs listed as less than a specified concentration represent the RDL for each individual analyte, and do not represent the sum of the individual analyte RDLs

TABLE A-2

SURFACE COVER SAMPLE ANALYTICAL RESULTS SUMMARY

Eli Whitney Technical Hightschool Demolition and Renovation Project

Hamden, Connecticut

Sample ID	Sample Substrate	Sample Type	Date Collected	Date Composited	Date Analyzed	Total PCBs (mg/kg)[1]
A 1-2	Soil	Composite	10/24/2010	10/25/2010	10/26/2010	ND<0.0211
A 3-4	Soil	Composite	10/24/2010	10/25/2010	10/26/2010	ND<0.0241
A 5-6	Soil	Composite	10/24/2010	10/25/2010	10/26/2010	ND<0.0228
A 7-8	Soil	Composite	10/24/2010	10/25/2010	10/26/2010	ND<0.0226
A 9-10	Soil	Composite	10/24/2010	10/25/2010	10/26/2010	ND<0.0223
A 11-12	Soil	Composite	10/24/2010	10/25/2010	10/26/2010	ND<0.0218
A 13	Soil	Grab	10/24/2010	NA	10/26/2010	ND<0.0234

Notes: ND< Not detected above the listed detection limit

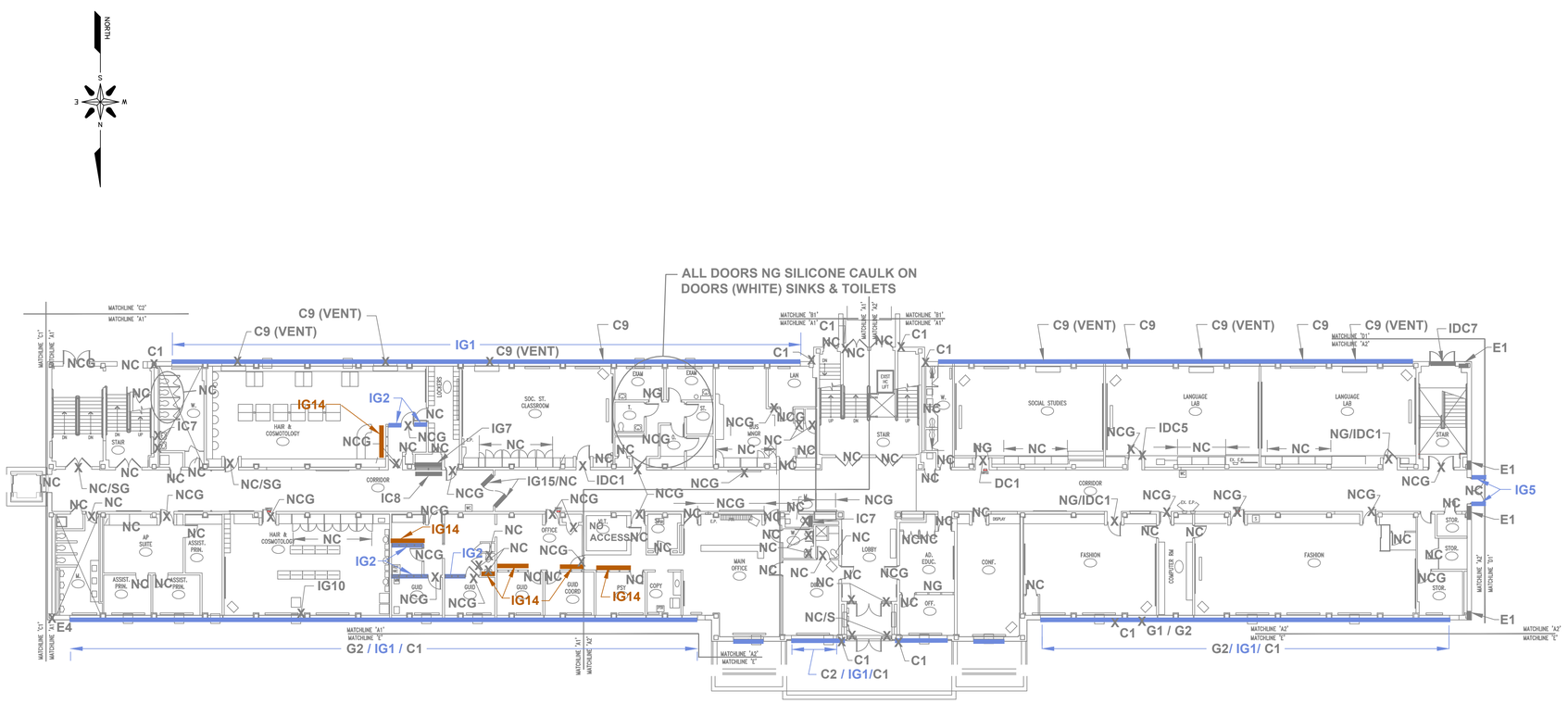
Equal volumes of each grab sample were added to each composite sample.

Remedial standard of <1 mg/kg is the Residential Direct Exposure Criteria from Section 22a-133k-1 through 22a-133k-3 of the State of Connecticut Regulation of Department of Environmental Protection concerning Remediation Standard.

Grab sample results were compared directly to the applicable remedial standards.

Composite sample results were compared to the applicable remedial standards by assuming that PCBs all came from one of the multiple samples included in the composite. Thus, composite sample results were multiplied by the number of samples composited to determine compliance.

[1] Total PCBs listed in this table represent the sum of the individual analyte concentrations greater than the Reportable Detection Limits (RDLs). Total PCBs listed as less than a specified concentration represent the RDL for each individual analyte, and do not represent the sum of the individual analyte RDLs.



Non-Federally Regulated Materials (Excluded PCB Products)			
Sample ID	**Sample Description**	**Material Locations**	**Total PCBs (mg/kg)**
Expansion Joint Caulk			
E3	Exterior white expansion joint caulk	All sides of Health Bldg	3.7
		North & East Sides of Cafeteria Bldg	
		South Shop Bldg.	
IE2	Interior white/grey expansion joint caulk	Stairwell 2nd floor	2.8
IE4	Interior thick tan hard expansion joint caulk	Shop Bldg hallway	4.2
Window Glaze			
G2	Exterior white window glaze	Main Bldg North and South sides	3.9
		North side Shop Bldg	
Window Glaze (continued)			
IG1	Interior grey brittle window glazing	Throughout Main Bldg and Cafeteria Bldg	1.3
IG2	Interior black glazing on interior window wall panels	Media center & Cosmetology	1.84
IG3	Interior white glazing on windows	Media room 212	2.0
IG4	Interior white glazing on window	Main Bldg 2nd floor women's room next to room 211	48
IG5	Interior grey sticky window glazing	2nd Floor Health Bldg all windows	2.3
IG11	Interior thick grey window glazing	Auto Repair Shop	2.0
		Throughout Shop bldg	
IG12	Interior hard grey/green window glazing	Auto Repair Shop classroom	1.3
IG14	Hard beige window glazing	1st and 2nd floor A-wing	1.45
IG17	White, crumbly, door window glazing	2nd floor D-wing	1.17
IG18	Gray door window glazing	1st floor C-wing, 1st floor D-wing	16.2
IG22	Gray interior window glazing	B-wing	15.9
IG23	Hard light gray interior door window glazing	B-wing	4.51
Miscellaneous Caulk			
C5	Exterior white brittle caulk around air vents	Cafeteria Bldg loading dock	1.1
C8	Exterior white brittle caulk around door	Northwest Cafeteria Bldg	2.2
C9	Exterior brown hard caulk on air vents	South side Main Bldg	11
C14	Tan hard door frame caulk	2nd floor C-wing	1.647
IC1	Interior window/wall caulk in bathroom	2nd Floor Health Bldg Bathrooms	6.3
IC2	Interior hard grey caulk around A/C unit	Main Bldg Rooms 227& 228	1.2
IC3	Interior beige rubbery wall caulk	Teachers room bath	3.94
IC6	Interior brown hard window wall caulk	West side entry near Bakery	3.2

LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: MAIN FLOOR A–WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY: TRC 21 Griffin Road North Windsor, CT 06095

PROJECT: MAIN FLOOR A -WING
CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

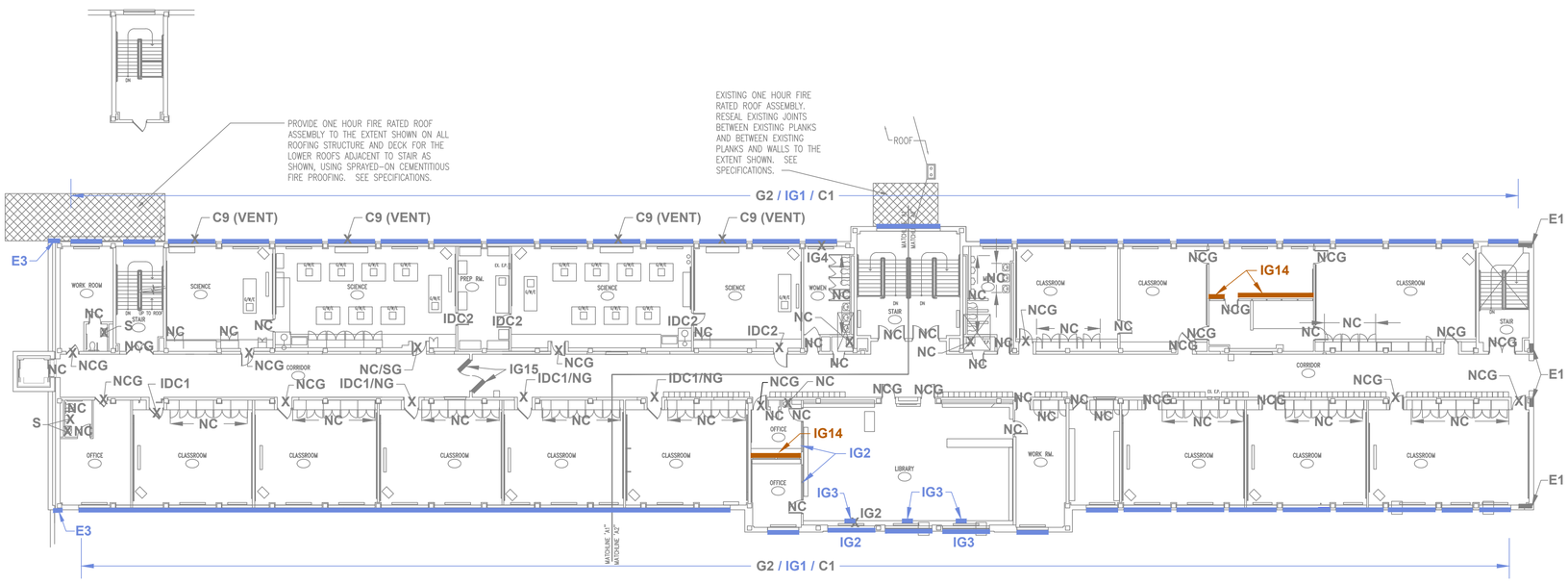
PROJECT NO:

DATE: 10-08-10
SCALE: 1/16"=1'-0"
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-A1

J:\CAD\180012\Non-Federally Req\
FIG-A1-Main A.dwg Layout:FIG-A1-MAIN-A WING March 07, 2011-2:03PM Roloma

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

Non-Federally Regulated Materials (Excluded PCB Products)			
Sample ID	**Sample Description**	**Material Locations**	**Total PCBs (mg/kg)**
Expansion Joint Caulk			
E3	Exterior white expansion joint caulk	All sides of Health Bldg	3.7
		North & East Sides of Cafeteria Bldg	
		South Shop Bldg.	
IE2	Interior white/grey expansion joint caulk	Stairwell 2nd floor	2.8
IE4	Interior thick tan hard expansion joint caulk	Shop Bldg hallway	4.2
Window Glaze			
G2	Exterior white window glaze	Main Bldg North and South sides	3.9
		North side Shop Bldg	
Window Glaze (continued)			
IG1	Interior grey brittle window glazing	Throughout Main Bldg and Cafeteria Bldg	1.3
IG2	Interior black glazing on interior window wall panels	Media center & Cosmetology	1.84
IG3	Interior white glazing on windows	Media room 212	2.0
IG4	Interior white glazing on window	Main Bldg 2nd floor women's room next to room 211	48
IG5	Interior grey sticky window glazing	2nd Floor Health Bldg all windows	2.3
IG11	Interior thick grey window glazing	Auto Repair Shop	2.0
		Throughout Shop bldg	
IG12	Interior hard grey/green window glazing	Auto Repair Shop classroom	1.3
IG14	Hard beige window glazing	1st and 2nd floor A-wing	1.45
IG17	White, crumbly, door window glazing	2nd floor D-wing	1.17
IG18	Gray door window glazing	1st floor C-wing, 1st floor D-wing	16.2
IG22	Gray interior window glazing	B-wing	15.9
IG23	Hard light gray interior door window glazing	B-wing	4.51
Miscellaneous Caulk			
C5	Exterior white brittle caulk around air vents	Cafeteria Bldg loading dock	1.1
C8	Exterior white brittle caulk around door	Northwest Cafeteria Bldg	2.2
C9	Exterior brown hard caulk on air vents	South side Main Bldg	11
C14	Tan hard door frame caulk	2nd floor C-wing	1.647
IC1	Interior window/wall caulk in bathroom	2nd Floor Health Bldg Bathrooms	6.3
IC2	Interior hard grey caulk around A/C unit	Main Bldg Rooms 227& 228	1.2
IC3	Interior beige rubbery wall caulk	Teachers room bath	3.94
IC6	Interior brown hard window wall caulk	West side entry near Bakery	3.2



LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: SECOND FLOOR A-WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY: TRC 21 Griffin Road North Windsor, CT 06095

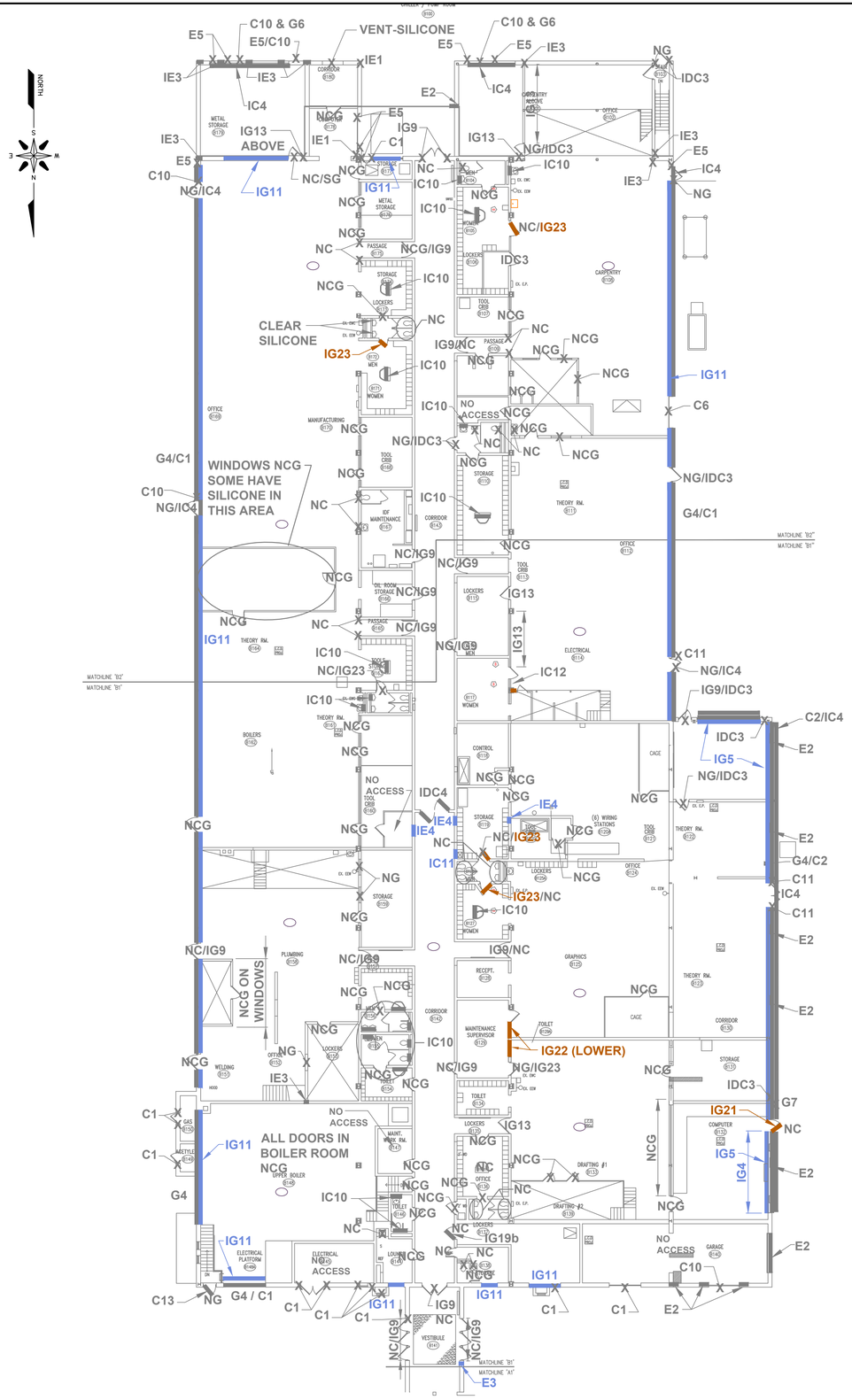
DATE: 10-08-10
SCALE: 1/16"=1'-0"
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-A2

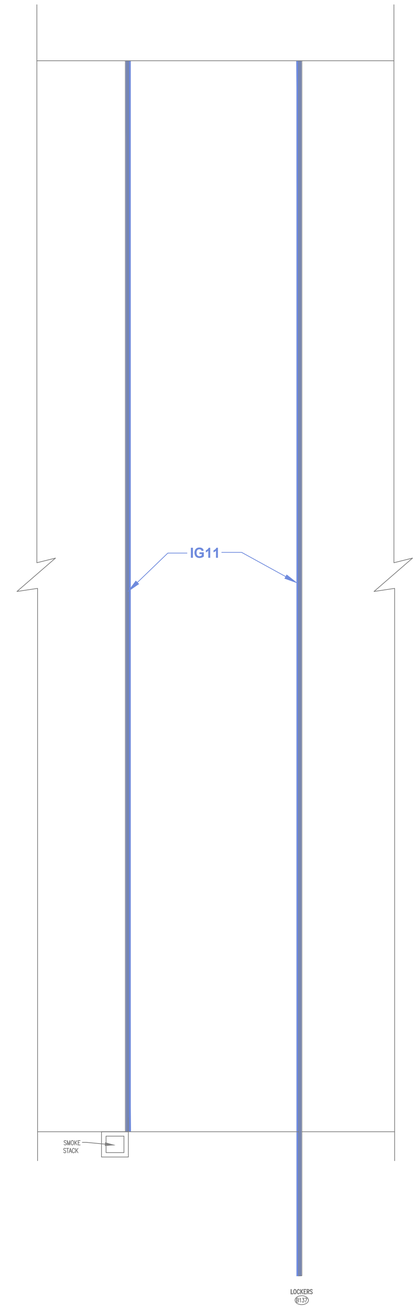
PROJECT: SECOND FLOOR A -WING CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

PROJECT NO:

J:\CAD\180012\Non-Federally Reg\
FIG-A2-Upper A.dwg Layout:FIG-A2-SECOND A-WING March 07, 2011-2:05PM Raloma

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT
PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT





B-WING CORRIDOR / SHOP
UPPER WINDOWS

Non-Federally Regulated Materials (Excluded PCB Products)			
Sample ID	**Sample Description**	**Material Locations**	**Total PCBs (mg/kg)**
Expansion Joint Caulk			
E3	Exterior white expansion joint caulk	All sides of Health Bldg	3.7
		North & East Sides of Cafeteria Bldg	
		South Shop Bldg.	
IE2	Interior white/grey expansion joint caulk	Stairwell 2nd floor	2.8
IE4	Interior thick tan hard expansion joint caulk	Shop Bldg hallway	4.2
Window Glaze			
G2	Exterior white window glaze	Main Bldg North and South sides	3.9
		North side Shop Bldg	
Window Glaze (continued)			
IG1	Interior grey brittle window glazing	Throughout Main Bldg and Cafeteria Bldg	1.3
IG2	Interior black glazing on interior window wall panels	Media center & Cosmetology	1.84
IG3	Interior white glazing on windows	Media room 212	2.0
IG4	Interior white glazing on window	Main Bldg 2nd floor women's room next to room 211	48
IG5	Interior grey sticky window glazing	2nd Floor Health Bldg all windows	2.3
IG11	Interior thick grey window glazing	Auto Repair Shop	2.0
		Throughout Shop bldg	
IG12	Interior hard grey/green window glazing	Auto Repair Shop classroom	1.3
IG14	Hard beige window glazing	1st and 2nd floor A-wing	1.45
IG17	White, crumbly, door window glazing	2nd floor D-wing	1.17
IG18	Gray door window glazing	1st floor C-wing, 1st floor D-wing	16.2
IG22	Gray interior window glazing	B-wing	15.9
IG23	Hard light gray interior door window glazing	B-wing	4.51
Miscellaneous Caulk			
C5	Exterior white brittle caulk around air vents	Cafeteria Bldg loading dock	1.1
C8	Exterior white brittle caulk around door	Northwest Cafeteria Bldg	2.2
C9	Exterior brown hard caulk on air vents	South side Main Bldg	11
C14	Tan hard door frame caulk	2nd floor C-wing	1.647
IC1	Interior window/wall caulk in bathroom	2nd Floor Health Bldg Bathrooms	6.3
IC2	Interior hard grey caulk around A/C unit	Main Bldg Rooms 227& 228	1.2
IC3	Interior beige rubbery wall caulk	Teachers room bath	3.94
IC6	Interior brown hard window wall caulk	West side entry near Bakery	3.2

LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: MAIN FLOOR B–WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

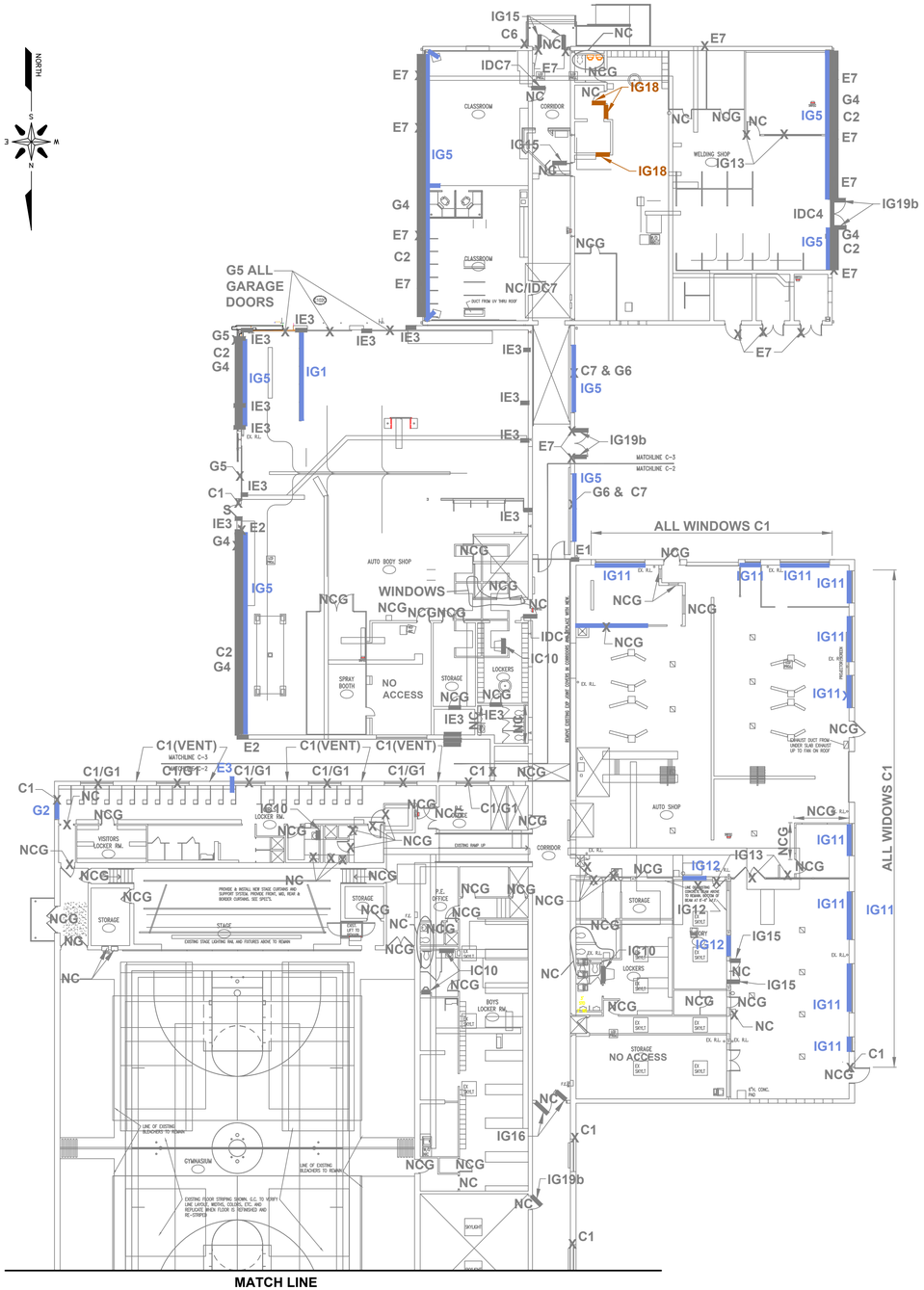
DRAWING PREPARED BY: TRC 21 Griffin Road North Windsor, CT 06095

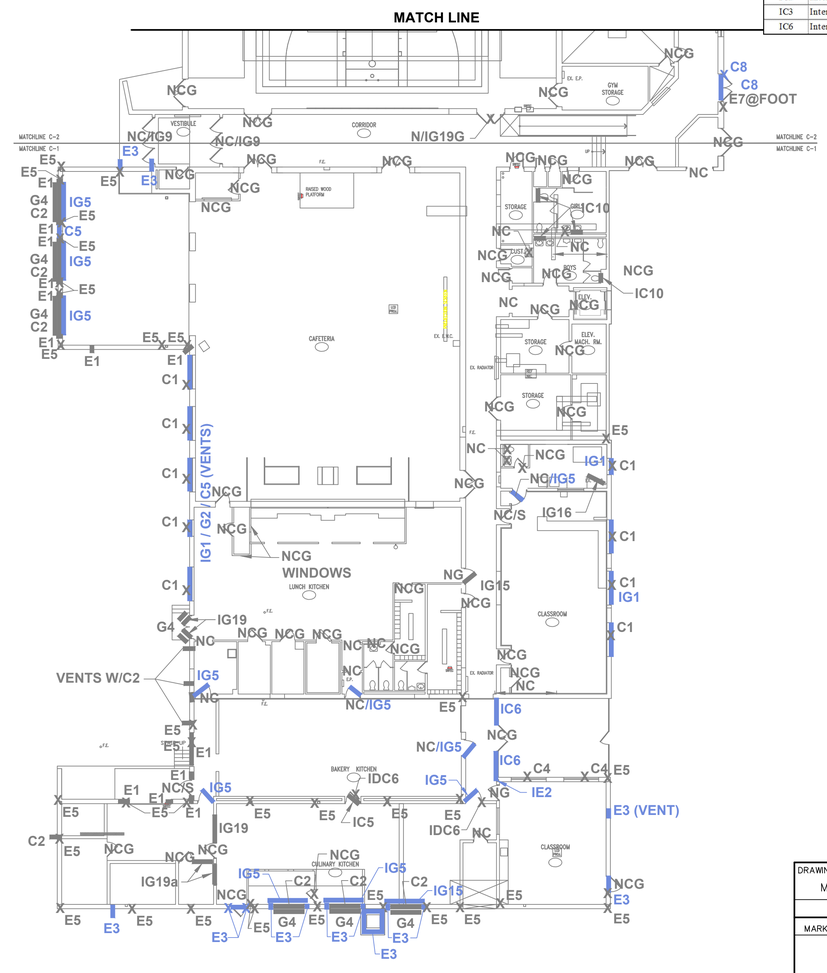
PROJECT: MAIN FLOOR B -WING
CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

PROJECT NO:

DATE: 10-08-10
SCALE: AS NOTED
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-A3

J:\CAD\180012\Non-Federally Reg\
FIG-A3-Main B.dwg Layout:FIG-A3-MAIN B WING March 07, 2011-2:08PM Raloma





Non-Federally Regulated Materials (Excluded PCB Products)			
Sample ID	**Sample Description**	**Material Locations**	**Total PCBs (mg/kg)**
Expansion Joint Caulk			
E3	Exterior white expansion joint caulk	All sides of Health Bldg	3.7
		North & East Sides of Cafeteria Bldg	
		South Shop Bldg.	
IE2	Interior white/grey expansion joint caulk	Stairwell 2nd floor	2.8
IE4	Interior thick tan hard expansion joint caulk	Shop Bldg hallway	4.2
Window Glaze			
G2	Exterior white window glaze	Main Bldg North and South sides	3.9
		North side Shop Bldg	
Window Glaze (continued)			
IG1	Interior grey brittle window glazing	Throughout Main Bldg and Cafeteria Bldg	1.3
IG2	Interior black glazing on interior window wall panels	Media center & Cosmetology	1.84
IG3	Interior white glazing on windows	Media room 212	2.0
IG4	Interior white glazing on window	Main Bldg 2nd floor women's room next to room 211	48
IG5	Interior grey sticky window glazing	2nd Floor Health Bldg all windows	2.3
IG11	Interior thick grey window glazing	Auto Repair Shop	2.0
		Throughout Shop bldg	
IG12	Interior hard grey/green window glazing	Auto Repair Shop classroom	1.3
IG14	Hard beige window glazing	1st and 2nd floor A-wing	1.45
IG17	White, crumbly, door window glazing	2nd floor D-wing	1.17
IG18	Gray door window glazing	1st floor C-wing, 1st floor D-wing	16.2
IG22	Gray interior window glazing	B-wing	15.9
IG23	Hard light gray interior door window glazing	B-wing	4.51
Miscellaneous Caulk			
C5	Exterior white brittle caulk around air vents	Cafeteria Bldg loading dock	1.1
C8	Exterior white brittle caulk around door	Northwest Cafeteria Bldg	2.2
C9	Exterior brown hard caulk on air vents	South side Main Bldg	11
C14	Tan hard door frame caulk	2nd floor C-wing	1.647
IC1	Interior window/wall caulk in bathroom	2nd Floor Health Bldg Bathrooms	6.3
IC2	Interior hard grey caulk around A/C unit	Main Bldg Rooms 227& 228	1.2
IC3	Interior beige rubbery wall caulk	Teachers room bath	3.94
IC6	Interior brown hard window wall caulk	West side entry near Bakery	3.2

LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: MAIN FLOOR C–WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

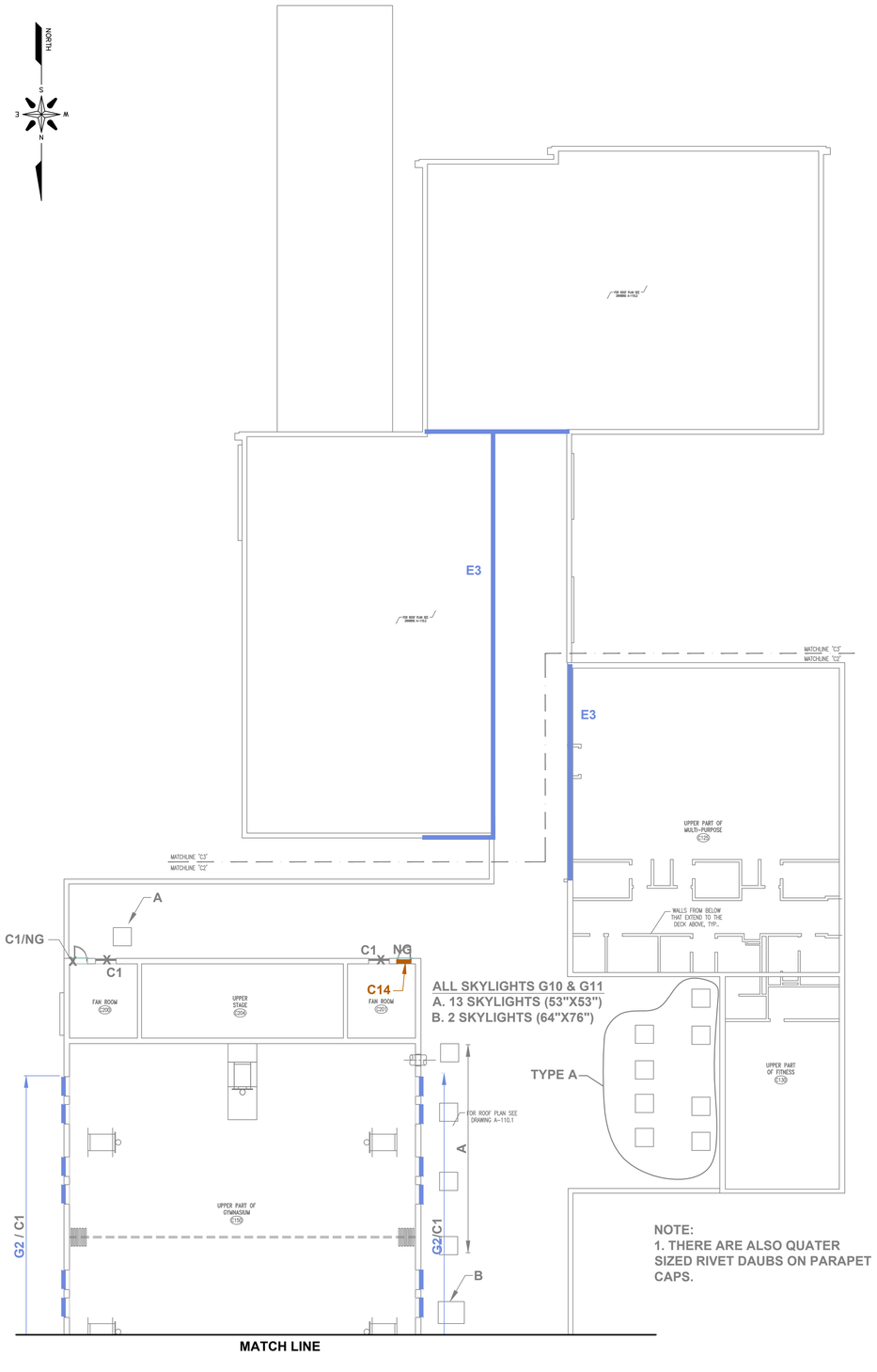
DRAWING PREPARED BY: TRC, 21 Griffin Road North, Windsor, CT 06095

DATE: 10-08-10
SCALE: 1/16"=1'-0"
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-A4

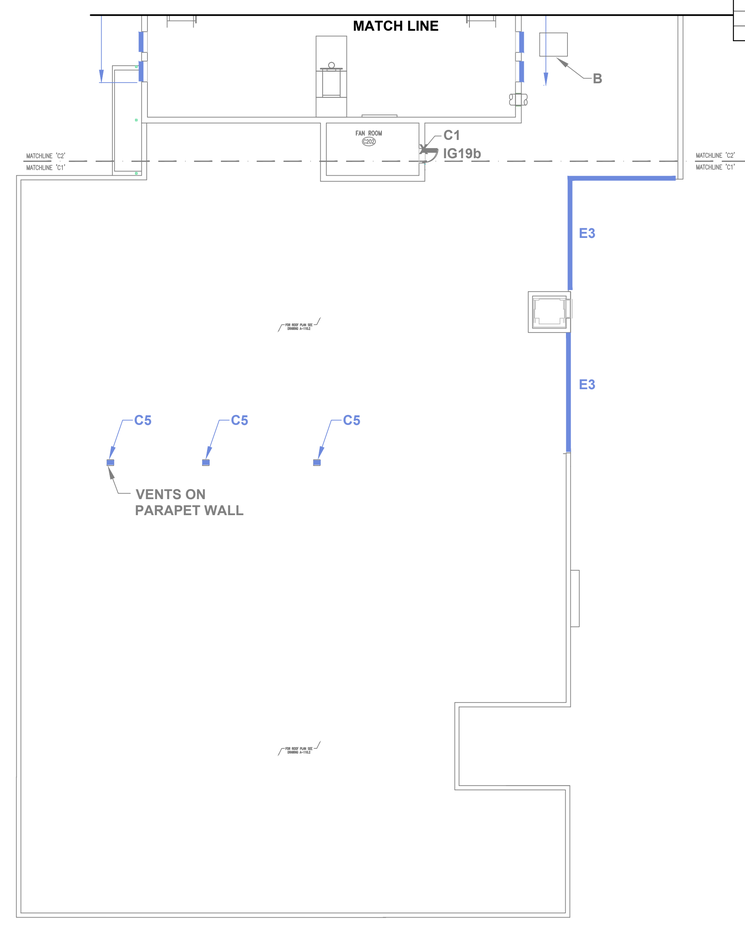
PROJECT: MAIN FLOOR C -WING
CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

PROJECT NO:

J:\CAD\180012\Non-Federally Reg\
FIG-A4-Main C.dwg Layout:FIG-A4-MAIN-C WING March 07, 2011-2:10PM Roloma



NOTE:
1. THERE ARE ALSO QUATER SIZED RIVET DAUBS ON PARAPET CAPS.



Non-Federally Regulated Materials (Excluded PCB Products)

Sample ID	Sample Description	Material Locations	Total PCBs (mg/kg)
Expansion Joint Caulk			
E3	Exterior white expansion joint caulk	All sides of Health Bldg	3.7
		North & East Sides of Cafeteria Bldg	
		South Shop Bldg.	
IE2	Interior white/grey expansion joint caulk	Stairwell 2nd floor	2.8
IE4	Interior thick tan hard expansion joint caulk	Shop Bldg hallway	4.2
Window Glaze			
G2	Exterior white window glaze	Main Bldg North and South sides	3.9
		North side Shop Bldg	
Window Glaze (continued)			
IG1	Interior grey brittle window glazing	Throughout Main Bldg and Cafeteria Bldg	1.3
IG2	Interior black glazing on interior window wall panels	Media center & Cosmetology	1.84
IG3	Interior white glazing on windows	Media room 212	2.0
IG4	Interior white glazing on window	Main Bldg 2nd floor women's room next to room 211	48
IG5	Interior grey sticky window glazing	2nd Floor Health Bldg all windows	2.3
IG11	Interior thick grey window glazing	Auto Repair Shop	2.0
		Throughout Shop bldg	
IG12	Interior hard grey/green window glazing	Auto Repair Shop classroom	1.3
IG14	Hard beige window glazing	1st and 2nd floor A-wing	1.45
IG17	White, crumbly, door window glazing	2nd floor D-wing	1.17
IG18	Gray door window glazing	1st floor C-wing, 1st floor D-wing	16.2
IG22	Gray interior window glazing	B-wing	15.9
IG23	Hard light gray interior door window glazing	B-wing	4.51
Miscellaneous Caulk			
C5	Exterior white brittle caulk around air vents	Cafeteria Bldg loading dock	1.1
C8	Exterior white brittle caulk around door	Northwest Cafeteria Bldg	2.2
C9	Exterior brown hard caulk on air vents	South side Main Bldg	11
C14	Tan hard door frame caulk	2nd floor C-wing	1.647
IC1	Interior window/wall caulk in bathroom	2nd Floor Health Bldg Bathrooms	6.3
IC2	Interior hard grey caulk around A/C unit	Main Bldg Rooms 227& 228	1.2
IC3	Interior beige rubbery wall caulk	Teachers room bath	3.94
IC6	Interior brown hard window wall caulk	West side entry near Bakery	3.2

LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: SECOND FLOOR C–WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

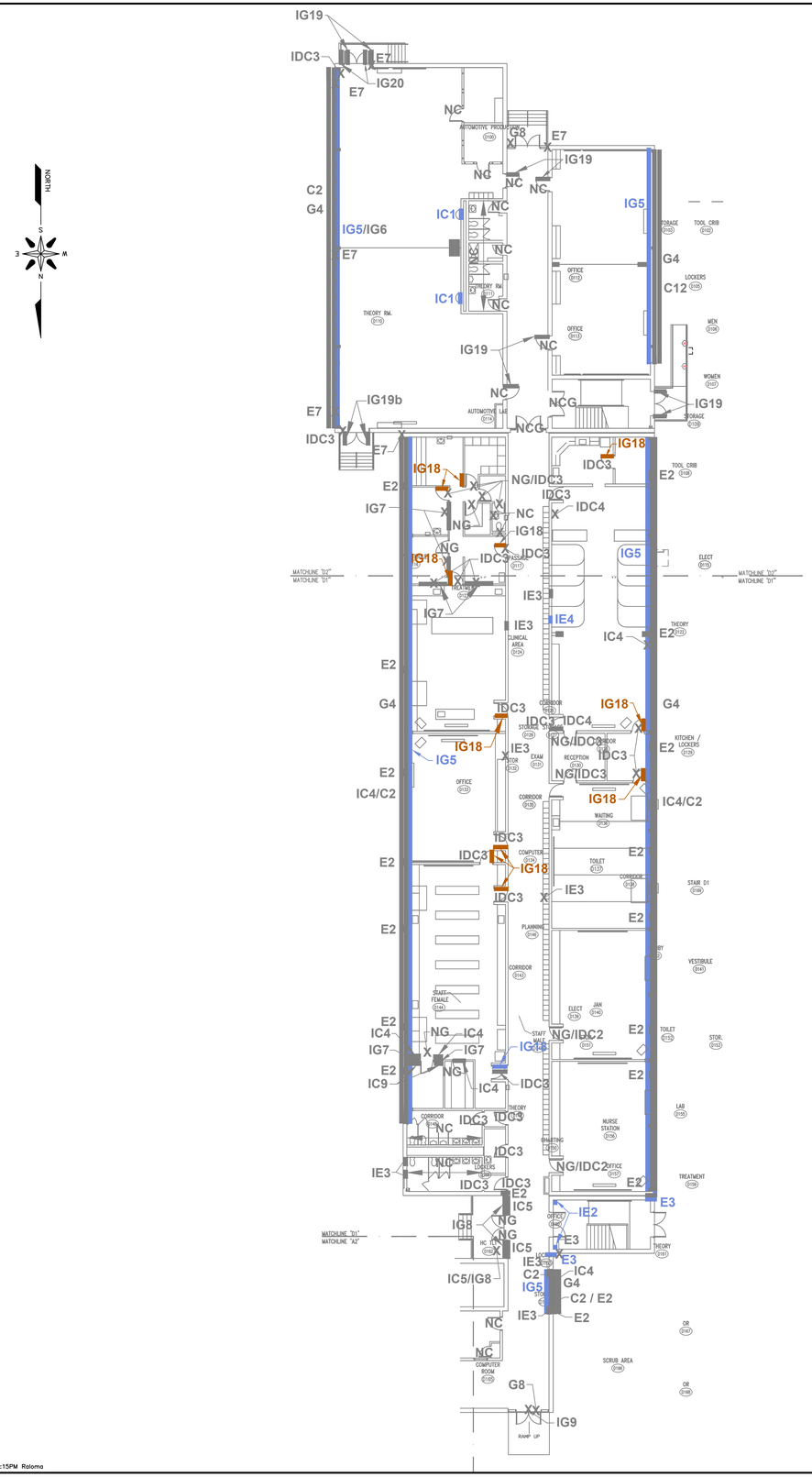
DRAWING PREPARED BY:
TRC 21 Griffin Road North Windsor, CT 06095

DATE: 10-08-10
SCALE: 1/16"=1'-0"
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-A5

PROJECT: SECOND FLOOR C -WING
CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

PROJECT NO:

J:\CAD\180012\Non-Federally Reg\
FIG-A5-Upper C.dwg Layout:FIG-A5-Upper C Wing March 07, 2011-2:13PM Raloma



Non-Federally Regulated Materials (Excluded PCB Products)			
Sample ID	**Sample Description**	**Material Locations**	**Total PCBs (mg/kg)**
Expansion Joint Caulk			
E3	Exterior white expansion joint caulk	All sides of Health Bldg	3.7
		North & East Sides of Cafeteria Bldg	
		South Shop Bldg.	
IE2	Interior white/grey expansion joint caulk	Stairwell 2nd floor	2.8
IE4	Interior thick tan hard expansion joint caulk	Shop Bldg hallway	4.2
Window Glaze			
G2	Exterior white window glaze	Main Bldg North and South sides	3.9
		North side Shop Bldg	
Window Glaze (continued)			
IG1	Interior grey brittle window glazing	Throughout Main Bldg and Cafeteria Bldg	1.3
IG2	Interior black glazing on interior window wall panels	Media center & Cosmetology	1.84
IG3	Interior white glazing on windows	Media room 212	2.0
IG4	Interior white glazing on window	Main Bldg 2nd floor women's room next to room 211	48
IG5	Interior grey sticky window glazing	2nd Floor Health Bldg all windows	2.3
IG11	Interior thick grey window glazing	Auto Repair Shop	2.0
		Throughout Shop bldg	
IG12	Interior hard grey/green window glazing	Auto Repair Shop classroom	1.3
IG14	Hard beige window glazing	1st and 2nd floor A-wing	1.45
IG17	White, crumbly, door window glazing	2nd floor D-wing	1.17
IG18	Gray door window glazing	1st floor C-wing, 1st floor D-wing	16.2
IG22	Gray interior window glazing	B-wing	15.9
IG23	Hard light gray interior door window glazing	B-wing	4.51
Miscellaneous Caulk			
C5	Exterior white brittle caulk around air vents	Cafeteria Bldg loading dock	1.1
C8	Exterior white brittle caulk around door	Northwest Cafeteria Bldg	2.2
C9	Exterior brown hard caulk on air vents	South side Main Bldg	11
C14	Tan hard door frame caulk	2nd floor C-wing	1.647
IC1	Interior window/wall caulk in bathroom	2nd Floor Health Bldg Bathrooms	6.3
IC2	Interior hard grey caulk around A/C unit	Main Bldg Rooms 227& 228	1.2
IC3	Interior beige rubbery wall caulk	Teachers room bath	3.94
IC6	Interior brown hard window wall caulk	West side entry near Bakery	3.2

LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: MAIN FLOOR D–WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

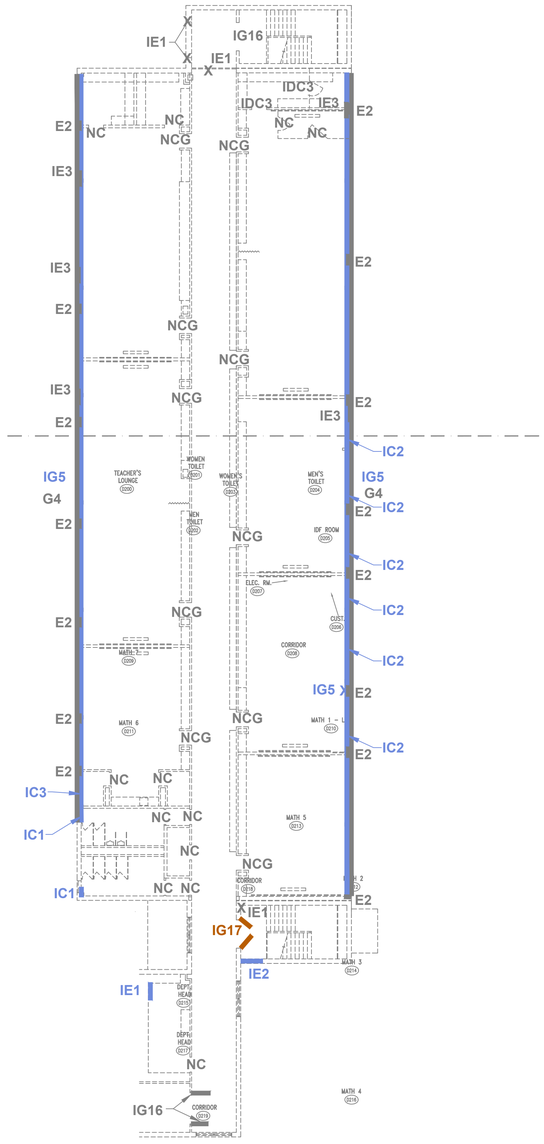
DRAWING PREPARED BY: TRC, 21 Griffin Road North, Windsor, CT 06095

DATE: 10-08-10
SCALE: 1/16"=1'-0"
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-A6

PROJECT: MAIN FLOOR D -WING
CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

PROJECT NO:

J:\CAD\180012\Non-Federally Reg\
FIG-A6-Main D.dwg Layout:FIG-A6-MAIN D WING March 07, 2011-2:15PM Raloma



Non-Federally Regulated Materials (Excluded PCB Products)			
Sample ID	**Sample Description**	**Material Locations**	**Total PCBs (mg/kg)**
Expansion Joint Caulk			
E3	Exterior white expansion joint caulk	All sides of Health Bldg	3.7
		North & East Sides of Cafeteria Bldg	
		South Shop Bldg.	
IE2	Interior white/grey expansion joint caulk	Stairwell 2nd floor	2.8
IE4	Interior thick tan hard expansion joint caulk	Shop Bldg hallway	4.2
Window Glaze			
G2	Exterior white window glaze	Main Bldg North and South sides	3.9
		North side Shop Bldg	
Window Glaze (continued)			
IG1	Interior grey brittle window glazing	Throughout Main Bldg and Cafeteria Bldg	1.3
IG2	Interior black glazing on interior window wall panels	Media center & Cosmetology	1.84
IG3	Interior white glazing on windows	Media room 212	2.0
IG4	Interior white glazing on window	Main Bldg 2nd floor women's room next to room 211	48
IG5	Interior grey sticky window glazing	2nd Floor Health Bldg all windows	2.3
IG11	Interior thick grey window glazing	Auto Repair Shop	2.0
		Throughout Shop bldg	
IG12	Interior hard grey/green window glazing	Auto Repair Shop classroom	1.3
IG14	Hard beige window glazing	1st and 2nd floor A-wing	1.45
IG17	White, crumbly, door window glazing	2nd floor D-wing	1.17
IG18	Gray door window glazing	1st floor C-wing, 1st floor D-wing	16.2
IG22	Gray interior window glazing	B-wing	15.9
IG23	Hard light gray interior door window glazing	B-wing	4.51
Miscellaneous Caulk			
C5	Exterior white brittle caulk around air vents	Cafeteria Bldg loading dock	1.1
C8	Exterior white brittle caulk around door	Northwest Cafeteria Bldg	2.2
C9	Exterior brown hard caulk on air vents	South side Main Bldg	11
C14	Tan hard door frame caulk	2nd floor C-wing	1.647
IC1	Interior window/wall caulk in bathroom	2nd Floor Health Bldg Bathrooms	6.3
IC2	Interior hard grey caulk around A/C unit	Main Bldg Rooms 227& 228	1.2
IC3	Interior beige rubbery wall caulk	Teachers room bath	3.94
IC6	Interior brown hard window wall caulk	West side entry near Bakery	3.2

LEGEND OF SYMBOLS

ABXX	SAMPLE LOCATION
NC	NO CAULK
NCG	NO CAULK, NO GLAZE
NG	NO GLAZE
S	SILICONE
XXX	INTERIOR / EXTERIOR LIGHT GREY RUBBER WINDOW CAULK AND WALL (C2,IC4) DARK BROWN RUBERY WINDOW WALL CAULK (IC5)
XXX	EXTERIOR EXPANSION JOINT CAULK GREY RUBBER OVER FOAM, DARK GREY RUBBER (E1,E2)
XXX	INTERIOR DARK BROWN HARD GLAZING ON INTERIOR WINDOW PANEL (IG7)
XXX	INTERIOR GREY PLIABLE DOOR CAULK (IDC4)
XXX	CAULK / GLAZE > 1 <50 PPM
XXX	INTERIOR WINDOW WALL GLAZING (IG8)
XXX	INTERIOR OFF WHITE EXPANSION JOINT CAULK (IE3)
XXX	EXTERIOR THIN WHITE WINDOW GLAZING AND THICK GREY WINDOW GLAZING (G4,G7)
	ADDITIONAL MATERIAL FOUND

DRAWING TITLE: SECOND FLOOR D-WING

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY: TRC 21 Griffin Road North Windsor, CT 06095

DATE: 10-08-10

SCALE: 1/16"=1'-0"

PROJECT: SECOND FLOOR D -WING
CAULK & GLAZING LOCATIONS
ELI WHITNEY
71 JONES ROAD
HAMDEN, CT

DRAWN BY: REA

APPROVED BY: EP

DRAWING NO.: FIG-A7

PROJECT NO:

J:\CAD\180012\Non-Federally Req\
FIG-A7-Upper D.dwg Layout:FIG-A7-SECOND-D-WING March 07, 2011-2:17PM Raloma

APPENDIX B

Analytical Data Reports

APPENDIX C

Public Communication Procedure

Insert Date Here

Draft Notification to Parents, Teachers and Employee Organizations

Eli Whitney Technical High School will commence a demolition and renovation program starting on *[insert date]*. During this program there will be removal of asbestos containing materials and PCB-contaminated building materials and soil identified at the school.

The asbestos and PCB abatement programs were authorized by the State of Connecticut Departments of Public Health (CT DPH) and Environmental Protection (CT DEP) and the United States Environmental Protection Agency Region 1 (EPA) after careful planning and thorough review.

It is anticipated that workers and students will use the Whitney Technical School buildings while removal and abatement is ongoing. To prevent exposure of these persons to contaminated dust, Control Areas will be established outside of the Regulated/Containment/Soil Excavation Areas. Only properly trained personnel associated with the removal, abatement, and soil excavation actions will be allowed within the Control Areas that will be established by placing barriers with signs indicating that access to the area is restricted. Oversight will be provided to prevent unauthorized persons from entering these restricted areas.

The asbestos and PCB abatement work will be performed by a Connecticut Department of Public Health licensed asbestos abatement contractor and personnel experienced in the handling of PCB contaminated materials, *insert contractor name here*. Asbestos and PCB abatement work will be monitored continuously by *insert contractor name here*., an independent environmental consultant hired by the State to conduct air testing during asbestos and PCB abatement activities.

As required by the CT DPH, CT DEP and EPA, this notification is being sent to parents, teachers, and employee organizations at Eli Whitney Technical High School. Any questions about the project may be directed to Ms. Bridget Heston, Principal, Eli Whitney Technical High School at (203) 397-4031 or Bridget.Heston@ct.gov.

We appreciate your patience and understanding during this process.

Sincerely,

Bridget Heston

(please turn over →)

State of Connecticut Department of Public Health	Division of Environmental Health 410 Capitol Avenue, MS#51AIR Hartford, CT 06134-0308 860-509-7367
State of Connecticut Department of Environmental Protection	79 Elm Street Hartford, CT 06106 860-424-3329
Asbestos/PCB Consultant:	*To be determined* *Street Address* *City, State Zip Code* *Contact Number*
Asbestos/PCB Abatement Contractor:	*To be determined* *Street Address* *City, State Zip Code* *Contact Number*

cc: Alexander Richmond, Connecticut Department of Education
John Woodmansee, Connecticut Department of Education
Robert Dexter, Connecticut Department of Public Works
Rebecca Cutler, Connecticut Department of Public Works

APPENDIX D

Engineering Control Descriptions

Engineering Control Provisions:

(a) General Requirements

The Site Supervisor employed by the Contractor shall be in control on the job site at all times during abatement work. All employees of the Contractor who shall perform work shall be properly trained to perform such duties.

All labor, materials, tools, equipment, services, testing, insurance and incidentals which are necessary or required to perform the work in accordance with applicable governmental regulations, industry standards and codes, and these Specifications shall be provided by the Contractor. The Contractor shall be prepared to work any/all shifts and weekends throughout the course of this project.

Prior to beginning work, the Engineer and Contractor shall perform a visual survey of each work area and review conditions at the site for safety reasons. In addition, the Contractor shall instruct all workers in all aspects of personnel protection, work procedures, emergency evacuation procedures and use of equipment including procedures unique to this project.

The Contractor shall:

> Shutdown and isolate heating, cooling, and ventilating air systems to prevent contamination of the other areas of the building.
>
> Shut down and lock out electrical power, including all receptacles and light fixtures, when feasible. The use or isolation of electrical power will be coordinated with all other ongoing uses of electrical power at the site.
>
> Coordinate all power and fire alarm isolation with the appropriate representatives.
>
> When necessary, provide temporary power and adequate lighting and ensure safe installation of electrical equipment, including ground fault protection and power cables, in compliance with applicable electrical codes and OSHA requirements. The Contractor is responsible for proper connection and installation of electrical wiring.

If sufficient electrical service is unavailable, the Contractor may need to supply electrical power to the site by fuel operated generator(s). Electrical power supply shall be sufficient for all equipment required for this project in operation throughout the duration of the project

Water service may not be available at the site. Contractor shall supply sufficient water for each shift to maintain the work areas adequately wet.

Ladders and/or scaffolds shall be in compliance with OSHA requirements, and of adequate length, strength and sufficient quantity to support the scope of work. Use of ladders/scaffolds shall be in conformance with OSHA 29 CFR 1926 Subpart L and X requirements.

Work performed at heights exceeding six feet (6') shall be performed in accordance with the OSHA Fall Protection Standard 29 CFR 1926 Subpart M including the use of fall arrest systems as applicable.

Data provided regarding PCB sampling conducted throughout the structure(s) is for informational purposes only. Under no circumstances shall this information be the sole means used by the Contractor for determining the presence and location of all PCB Bulk Product Wastes and PCB Remediation Wastes. The Contractor shall verify all field conditions affecting performance of the work as described in these Specifications in accordance with OSHA, USEPA, USDOT, DEP standards. Compliance with the applicable requirements is solely the responsibility of the Contractor.

The Engineer will provide a Project Monitor to oversee the activities of the Contractor. No PCB work shall be performed until the Project Monitor is on-site. Pre-abatement, during abatement and post-abatement verification sampling will be conducted as deemed necessary by the Project Monitor. Waste stream testing will be performed, as necessary, by the Project Monitor prior to waste disposal.

(b) Interior Engineering Controls

Interior Engineering Controls shall generally follow those employed in the asbestos abatement industry for OSHA Class I interior asbestos removal.

Pre-clean the work areas using HEPA filtered equipment (vacuum) and/or wet methods with a performance-based organic decontamination fluid (PODF) as appropriate, collecting and properly containing all dust and debris as PCB waste. Vacuum units, of suitable size and capabilities for the project, shall have HEPA filters capable of trapping and retaining at least 99.97 percent of all monodispersed particles of three micrometers in diameter or larger. Do not use methods that raise dust, such as dry sweeping or vacuuming with equipment not equipped with HEPA filters.

After pre-cleaning, movable objects shall be removed from the work areas with the utmost care to prevent damage of any kind and relocated to a temporary storage location coordinated with the Engineer. The Contractor is responsible for protecting all fixed objects that are permanent fixtures or are too large to remove and remain inside the Regulated Area. Fixed objects shall be enclosed with one layer of six (6) mil polyethylene sheeting sealed with tape.

Seal off all windows, doorways, skylights, ducts, grilles, diffusers, vents, light fixtures, electrical receptacles, suspended ceiling tile systems and any other openings between the Regulated Area and the uncontaminated areas outside of the Regulated Area, including the outside of the

building, with critical barriers consisting of a minimum of one (1) layer of six (6) mil polyethylene sheeting securing the edges with tape.

A Negative Pressure Enclosure (NPE) shall be constructed via covering of floor and wall surfaces with polyethylene sheeting sealed with tape. Polyethylene shall be applied alternately to floors and walls. Cover floors first, with a layer of six (6) mil polyethylene sheeting, so that polyethylene extends at least twelve (12) inches up on wall. Cover wall with a layer of six (6) mil polyethylene sheeting to twelve (12) inches beyond the wall/floor intersection, thus overlapping the floor material by a minimum of twenty-four (24) inches. Repeat the process for the second layer of polyethylene. There shall be no seams at wall-to-floor joints. Protect carpet and floor tile with two additional layers of six (6) mil reinforced polyethylene in addition to the prior two layers required.

A single chamber airlock shall be constructed contiguous to the NPE, constructed of six (6) mil poly, to serve as the access point to enter the regulated area.

The Contractor shall create a negative pressure differential in the range of 0.02 to 0.04 inches of water column between the Regulated Area and surrounding areas by the use of acceptable negative air pressure equipment. Exhaust air filtration units shall be equipped with HEPA filters capable of providing sufficient air exhaust to create a minimum pressure differential of 0.02 inches of water column, and to allow a sufficient flow of air through the area providing 4 air changes per hour. The Contractor shall provide a sufficient quantity of HEPA air filters to maintain the pressure differential throughout the duration of the project. An automatic warning system shall be incorporated into the equipment to indicate pressure drop or unit failure. Continuously monitor the pressure differential between the Regulated Area and surrounding area to ensure exhaust air filtration equipment maintains a minimum pressure differential of 0.02 inches of water column. The Contractor shall provide actual air flow measurement of filtration units while the unit is in place and calculate actual air exchange rates. No air movement system or air filtering equipment shall discharge unfiltered air outside the Regulated Area.

Negative pressure must be maintained in each work area during active abatement operations until the area achieves satisfactory verification criteria and is approved by the Project Monitor to be deregulated.

Conspicuously label and maintain emergency and fire exits from the Regulated Area satisfactory to fire officials.

Post warning signs at the airlock entrance to the regulated areas to deter unauthorized personnel from entering the work space.

(c) Exterior Engineering Controls

Exterior Engineering Controls shall generally follow those employed in the asbestos abatement industry for OSHA Class II exterior asbestos removal.

In lieu of the establishment of a negative pressure enclosure (NPE) system as described above, exterior removal operations will be conducted within an outdoor Regulated Area(s) as described below.

The ground adjacent to/beneath areas where PCB Bulk Products/Remediation Wastes will be removed are to be inspected for the presence of visual evidence of caulking debris or other evidence of PCB Bulk Product Presence and the bulk materials shall be removed using HEPA filtered vacuum equipment or wet methods as appropriate to collect all loose dust and debris which may contain PCB.

After pre-cleaning, movable objects shall be removed from the work areas. Fixed objects shall be enclosed with one layer of six (6) mil polyethylene sheeting sealed with tape.

Any building openings such as windows, doors, vents, etc. in the immediate vicinity of the exterior Remediation areas shall be sealed off with critical barriers consisting of a minimum of one (1) layer of six (6) mil polyethylene sheeting securing the edges with tape.

An exterior regulated area shall be established around the work area through the use of appropriately labeled barrier tape. The area shall be of sufficient size to keep non-remediation workers well away from the work activities and contain the release of any debris.

Ground surfaces in the regulated area shall be covered with two (2) layers of six (6) mil polyethylene sheeting to capture/collect any debris generated, and secured to prevent movement.

Signs shall be posted around the regulated area to deter unauthorized personnel from entering.

All power assisted/mechanical tools shall be equipped with HEPA cowled vacuum collection systems.

(d) Personnel Protection

The Contractor shall utilize all appropriate engineering controls and safety and protective equipment while performing the work in accordance with OSHA, USEPA, USDOT, CTDEP and CTDPH regulations.

The Contractor shall provide and require all workers to wear protective clothing in the Regulated Areas where PCBs will be encountered/disturbed. Protective clothing shall include impervious coveralls with elastic wrists and ankles, head covering, gloves and foot coverings.

Respiratory protection shall be provided and shall meet the requirements of OSHA as required in 29 CFR 1910.134. A formal respiratory protection program must be implemented in accordance with 29 CFR 1910.134. The Contractor shall provide respirators from among those approved as being acceptable for protection by the National Institute for Occupational Safety and Health (NIOSH) under the provisions of 30 CFR Part ll.

All other necessary personnel protective equipment (i.e. hardhat, work boots, safety glasses, hearing protection, etc.) required to perform the PCB abatement work activities shall conform to all applicable federal, state and local regulations.

All other qualified and authorized persons entering into a Regulated Area (i.e. Project Monitor, Regulatory Agency Representative) shall adhere to the requirements of personnel protection as stated in this section.

The Contractor shall establish remote to the Regulated Area, a Worker Decontamination Enclosure System consisting of Equipment Room, Shower Room and Clean Room in series.

The Clean Room shall be adequately sized to accommodate workers and shall be equipped with a suitable number of hooks, lockers, shelves, etc., for workers to store personal articles and clothing. Changing areas of the Clean Room shall be suitably screened from areas occupied by the public.

The Shower Room shall be of sufficient capacity to accommodate the number of workers. One shower stall shall be provided for each eight (8) workers. Showers shall be equipped with hot and cold or warm running water through the use of electric hot water heaters supplied by the Contractor.

(e) PCB Bulk Product & Remediation Waste Work Practices

The Abatement Site Supervisor, as the OSHA Competent Person shall be at the site at all times.

The Contractor shall not begin abatement work until authorized by the Project Monitor, following a pre-abatement visual inspection.

All workers and authorized persons shall enter and leave the Regulated Area through the contiguous airlock and proceed to the Worker Decontamination Enclosure System, leaving the outer set of contaminated protective clothing in the Airlock for disposal of as PCB waste.

No one shall eat, drink, smoke, chew gum or tobacco, or apply cosmetics while in a Regulated Area.

Removal work practices within the regulated areas shall be implemented with facilitate the removal of the PCB Bulk Product Waste and associated PCB Remediation Waste while also limiting the amount of dust and debris to be generated.

During removal, the Contractor shall spray mist PCB materials with water using airless spray equipment capable of providing a "mist" application to reduce the release of airborne dust/debris. Spray equipment shall be capable of generating sufficient pressure and volume. Hose length shall be sufficient to reach all of the Regulated Area. Do not “flood” the area with hose type water supply equipment with the potential to create water releases from the regulated area.

In order to minimize airborne PCB concentrations inside the Regulated Area and minimize the potential for dust/debris release from the regulated area, the Contractor shall remove the adequately wetted PCBs in manageable sections. In addition, PCB materials removed from any elevated level shall be carefully lowered to the floor.

The Contractor shall promptly place the adequately wet PCB material in appropriate disposal containers as it is removed.

If at any time during PCB removal, the Project Monitor should suspect contamination of areas outside the Regulated Area, the Contractor shall immediately stop all abatement work and take steps to decontaminate these areas and eliminate causes of such contamination.

After completion of abatement work, the Contractor shall also remove and containerize all visible accumulations of dust and debris within the regulated area.

APPENDIX E

EPA Region 1 SOP
for Sampling Concrete in the Field

APPENDIX F

Notification and Certification

00 31 26.34

BI-RT-837 Whitney –

Appendix B – Lab Results

Report Date:
28-Oct-10 16:28

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Malcolm Beeler

Project: Whitney - Hamden, CT
Project #: 180012.1000.0000

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB19979-01	IE3-C-6"	Brick/Concrete	25-Oct-10 14:29	25-Oct-10 16:25
SB19979-02	IE3-D-6"	Brick/Concrete	25-Oct-10 15:20	25-Oct-10 16:25
SB19979-03	C2-C-6"	Brick/Concrete	25-Oct-10 13:34	25-Oct-10 16:25
SB19979-04	E1-C-6"	Brick/Concrete	25-Oct-10 14:00	25-Oct-10 16:25
SB19979-05	IC5-D-6"	Brick/Concrete	25-Oct-10 13:09	25-Oct-10 16:25
SB19979-06	IDC4-D-6"	Brick/Concrete	25-Oct-10 12:50	25-Oct-10 16:25
SB19979-07	IC1-D-0"	Brick/Concrete	25-Oct-10 10:17	25-Oct-10 16:25
SB19979-08	C9-A-0"	Brick/Concrete	25-Oct-10 10:21	25-Oct-10 16:25
SB19979-09	IE-4-B-0"	Brick/Concrete	25-Oct-10 10:03	25-Oct-10 16:25
SB19979-10	C2-C-6" A	Brick/Concrete	25-Oct-10 13:36	25-Oct-10 16:25
SB19979-11	A 1-2	Soil	25-Oct-10 11:00	25-Oct-10 16:25
SB19979-12	A 3-4	Soil	25-Oct-10 11:05	25-Oct-10 16:25
SB19979-13	A 5-6	Soil	25-Oct-10 11:10	25-Oct-10 16:25
SB19979-14	A 7-8	Soil	25-Oct-10 11:15	25-Oct-10 16:25
SB19979-15	A 9-10	Soil	25-Oct-10 11:20	25-Oct-10 16:25
SB19979-16	A 11-12	Soil	25-Oct-10 11:25	25-Oct-10 16:25
SB19979-17	A 13	Soil	24-Oct-10 09:35	25-Oct-10 16:25
SB19979-18	C 1-4	Asphalt	25-Oct-10 11:30	25-Oct-10 16:25
SB19979-19	C 5-8	Asphalt	25-Oct-10 11:35	25-Oct-10 16:25
SB19979-20	C 9-12	Asphalt	25-Oct-10 11:40	25-Oct-10 16:25
SB19979-21	C 13-15	Asphalt	25-Oct-10 11:45	25-Oct-10 16:25
SB19979-22	C 16-18	Concrete	25-Oct-10 11:50	25-Oct-10 16:25
SB19979-23	C 19	Soil	24-Oct-10 10:04	25-Oct-10 16:25
SB19979-24	C 20-23	Concrete	25-Oct-10 11:55	25-Oct-10 16:25
SB19979-25	C 24	Soil	24-Oct-10 10:03	25-Oct-10 16:25
SB19979-26	C 25-26	Soil	25-Oct-10 12:00	25-Oct-10 16:25
SB19979-27	C 27-30	Asphalt	25-Oct-10 12:05	25-Oct-10 16:25
SB19979-28	C 31-34	Asphalt	25-Oct-10 12:10	25-Oct-10 16:25
SB19979-29	C 35-38	Asphalt	25-Oct-10 12:15	25-Oct-10 16:25
SB19979-30	C 39-42	Asphalt	25-Oct-10 12:20	25-Oct-10 16:25
SB19979-31	C 43-46	Asphalt	25-Oct-10 12:25	25-Oct-10 16:25
SB19979-32	B 1-4	Asphalt	25-Oct-10 12:30	25-Oct-10 16:25
SB19979-33	B 5-8	Asphalt	25-Oct-10 12:35	25-Oct-10 16:25
SB19979-34	B 9-12	Asphalt	25-Oct-10 12:40	25-Oct-10 16:25
SB19979-35	B 13-16	Asphalt	25-Oct-10 12:45	25-Oct-10 16:25
SB19979-36	B 17-20	Asphalt	25-Oct-10 12:50	25-Oct-10 16:25
SB19979-37	B 21-24	Asphalt	25-Oct-10 12:55	25-Oct-10 16:25

SB19979-38	B 21-24A	Asphalt	25-Oct-10 13:00	25-Oct-10 16:25
SB19979-39	B 25	Asphalt	24-Oct-10 11:42	25-Oct-10 16:25
SB19979-40	B 26-29	Asphalt	25-Oct-10 13:05	25-Oct-10 16:25
SB19979-41	B 30-33	Asphalt	25-Oct-10 13:10	25-Oct-10 16:25
SB19979-42	B 34-37	Asphalt	25-Oct-10 13:15	25-Oct-10 16:25
SB19979-43	B 38-41	Asphalt	25-Oct-10 13:20	25-Oct-10 16:25
SB19979-44	B 42-45	Asphalt	25-Oct-10 13:25	25-Oct-10 16:25
SB19979-45	B 46-48	Asphalt	25-Oct-10 13:30	25-Oct-10 16:25
SB19979-46	B 49-51	Asphalt	25-Oct-10 13:35	25-Oct-10 16:25
SB19979-47	B 52-54	Asphalt	25-Oct-10 13:40	25-Oct-10 16:25
SB19979-48	D 1-4	Asphalt	25-Oct-10 13:45	25-Oct-10 16:25
SB19979-49	D 5-8	Asphalt	25-Oct-10 13:50	25-Oct-10 16:25
SB19979-50	D 9-12	Asphalt	25-Oct-10 13:55	25-Oct-10 16:25
SB19979-51	D 13-16	Asphalt	25-Oct-10 14:00	25-Oct-10 16:25
SB19979-52	D 17-20	Asphalt	25-Oct-10 14:05	25-Oct-10 16:25
SB19979-53	D 21-23	Asphalt	25-Oct-10 14:10	25-Oct-10 16:25
SB19979-54	D 24-26	Asphalt	25-Oct-10 14:15	25-Oct-10 16:25
SB19979-55	D 27-28	Soil	25-Oct-10 14:20	25-Oct-10 16:25
SB19979-56	D 27-28A	Soil	25-Oct-10 14:25	25-Oct-10 16:25
SB19979-57	D 29-30	Soil	25-Oct-10 14:30	25-Oct-10 16:25
SB19979-58	D 31-32	Soil	25-Oct-10 14:35	25-Oct-10 16:25
SB19979-59	D 33-34	Soil	25-Oct-10 14:40	25-Oct-10 16:25
SB19979-60	D 35-36	Soil	25-Oct-10 14:45	25-Oct-10 16:25
SB19979-61	D 37-38	Soil	25-Oct-10 14:50	25-Oct-10 16:25
SB19979-62	D 39-40	Soil	25-Oct-10 14:52	25-Oct-10 16:25
SB19979-63	D 41-42	Soil	25-Oct-10 14:54	25-Oct-10 16:25
SB19979-64	D 43-44	Soil	25-Oct-10 14:56	25-Oct-10 16:25
SB19979-65	D 45-46	Soil	25-Oct-10 14:58	25-Oct-10 16:25
SB19979-66	D 47-48	Soil	25-Oct-10 15:00	25-Oct-10 16:25
SB19979-67	D 49-50	Soil	25-Oct-10 15:03	25-Oct-10 16:25
SB19979-68	D 51	Soil	24-Oct-10 09:01	25-Oct-10 16:25
SB19979-69	D 52-53	Soil	25-Oct-10 15:06	25-Oct-10 16:25

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 49 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 10.3 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 5.1 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

Sample Acceptance Policy Case Narrative:

Spectrum Analytical Sample Acceptance Policy, in conjunction with NELAC Sample Acceptance Policy (5.5.8.3.2.), require that all samples submitted must have labels attached to each container identifying the sample ID, site location, and/or project number and the collection date written in indelible ink. This is necessary in order to ensure identifiable samples and to maintain sample integrity. Containers in this work order were received without sample labels attached to the sample jars (bottles). Please insure that all sample containers are properly labeled with a unique sample ID, site location, and/or project number and collection date.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082

Samples:

SB19979-07 *IC1-D-0"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB19979-69 *D 52-53*

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254 [2C]

SB19979-69RE1 *D 52-53*

SW846 8082

Samples:

SB19979-69RE1 *D 52-53*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C-6" SB19979-01	180012.1000.0000	Brick/Concrete	25-Oct-10 14:29	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	64.8	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	854		µg/kg dry	64.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*123*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*129*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D-6" SB19979-02	180012.1000.0000	Brick/Concrete	25-Oct-10 15:20	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	61.6	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,690		µg/kg dry	61.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*136*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.6		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C-6" SB19979-03	180012.1000.0000	Brick/Concrete	25-Oct-10 13:34	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.0	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*138*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*130*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*133*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*126*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-C-6" SB19979-04	180012.1000.0000	Brick/Concrete	25-Oct-10 14:00	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	65.3	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*133*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*127*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.6		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC5-D-6" SB19979-05	180012.1000.0000	Brick/Concrete	25-Oct-10 13:09	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	55.3	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	677		µg/kg dry	55.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	127		µg/kg dry	55.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*134*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*116*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*132*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IDC4-D-6" SB19979-06	180012.1000.0000	Brick/Concrete	25-Oct-10 12:50	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	54.3	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	54.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	54.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	54.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	54.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,330		µg/kg dry	54.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	760		µg/kg dry	54.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	54.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	54.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*133*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*135*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC1-D-0" SB19979-07	180012.1000.0000	Brick/Concrete	25-Oct-10 10:17	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	68.4	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	68.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	68.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	68.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	68.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	68.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	68.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	68.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	68.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*131*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*170*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*58*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.3		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C9-A-0" SB19979-08	180012.1000.0000	Brick/Concrete	25-Oct-10 10:21	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	55.2	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*130*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*112*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*117*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE-4-B-0" SB19979-09	180012.1000.0000	Brick/Concrete	25-Oct-10 10:03	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	57.9	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	57.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	57.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	57.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	57.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	57.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	57.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	57.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	57.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*135*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*56*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C-6" A SB19979-10	180012.1000.0000	Brick/Concrete	25-Oct-10 13:36	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	56.2	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	56.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	56.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	56.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	56.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	56.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	56.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	56.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	56.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*117*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*117*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*72*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
A 1-2 SB19979-11	180012.1000.0000	Soil	25-Oct-10 11:00	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.1	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*71*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*52*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	88.5		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
A 3-4 SB19979-12	180012.1000.0000	Soil	25-Oct-10 11:05	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	24.1	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	24.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*52*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*46*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*51*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*37*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	81.9		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
A 5-6 SB19979-13	180012.1000.0000	Soil	25-Oct-10 11:10	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.8	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*78*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	85.8		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
A 7-8 SB19979-14	180012.1000.0000	Soil	25-Oct-10 11:15	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.6	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*48*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	85.1		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022309	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
A 9-10 SB19979-15	180012.1000.0000	Soil	25-Oct-10 11:20	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.3	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*116*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*123*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	86.5		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
A 11-12 SB19979-16	180012.1000.0000	Soil	25-Oct-10 11:25	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.8	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*122*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*127*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	87.0		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
A 13 SB19979-17	180012.1000.0000	Soil	24-Oct-10 09:35	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	23.4	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	23.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*117*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*84*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	83.0		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 1-4 SB19979-18	180012.1000.0000	Asphalt	25-Oct-10 11:30	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	344	1	SW846 8082	25-Oct-10	26-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	344	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	344	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	344	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	344	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	344	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	344	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	344	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	344	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 5-8 SB19979-19	180012.1000.0000	Asphalt	25-Oct-10 11:35	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	398	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	398	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	398	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	398	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	398	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	398	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	398	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	398	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	398	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*121*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 9-12 SB19979-20	180012.1000.0000	Asphalt	25-Oct-10 11:40	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	282	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	282	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	282	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	282	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	282	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	282	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	282	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	282	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	282	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*116*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 13-15	180012.1000.0000	Asphalt	25-Oct-10 11:45	25-Oct-10
SB19979-21				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	344	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	344	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	344	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	344	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	344	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	344	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	344	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	344	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	344	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 16-18	180012.1000.0000	Concrete	25-Oct-10 11:50	25-Oct-10
SB19979-22				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	56.6	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	56.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	56.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	56.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	56.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	56.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	56.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	56.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	56.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*124*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*119*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.5		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 19 SB19979-23	180012.1000.0000	Soil	24-Oct-10 10:04	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.6	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*128*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*124*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*107*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	91.3		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 20-23 SB19979-24	180012.1000.0000	Concrete	25-Oct-10 11:55	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	65.3	1	SW846 8082	25-Oct-10	26-Oct-10	IMR	1022245	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*121*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.7		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 24 SB19979-25	180012.1000.0000	Soil	24-Oct-10 10:03	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	20.7	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	20.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	20.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	20.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	20.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	20.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	20.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	20.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	20.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	93.2		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 25-26 SB19979-26	180012.1000.0000	Soil	25-Oct-10 12:00	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	20.1	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	20.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	20.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	20.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	20.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	20.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	20.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	20.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	20.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	92.9		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 27-30 SB19979-27	180012.1000.0000	Asphalt	25-Oct-10 12:05	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	309	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	309	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	309	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	309	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	309	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	309	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	309	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	309	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	309	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*109*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 31-34 SB19979-28	180012.1000.0000	Asphalt	25-Oct-10 12:10	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	384	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	384	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	384	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	384	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	384	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	384	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	384	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	384	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	384	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 35-38 SB19979-29	180012.1000.0000	Asphalt	25-Oct-10 12:15	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	287	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	287	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	287	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	287	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	287	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	287	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	287	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	287	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	287	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*116*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 39-42 SB19979-30	180012.1000.0000	Asphalt	25-Oct-10 12:20	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	347	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	347	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	347	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	347	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	347	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	347	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	347	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	347	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	347	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*109*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C 43-46	180012.1000.0000	Asphalt	25-Oct-10 12:25	25-Oct-10
SB19979-31				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	353	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	353	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	353	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	353	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	353	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	353	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	353	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	353	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	353	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 1-4	180012.1000.0000	Asphalt	25-Oct-10 12:30	25-Oct-10
SB19979-32				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	279	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	279	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	279	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	279	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	279	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	279	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	279	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	279	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	279	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*117*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 5-8	180012.1000.0000	Asphalt	25-Oct-10 12:35	25-Oct-10
SB19979-33				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	288	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	288	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	288	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	288	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	288	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	288	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	288	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	288	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	288	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*113*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 9-12	180012.1000.0000	Asphalt	25-Oct-10 12:40	25-Oct-10
SB19979-34				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	356	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	356	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	356	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	356	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	356	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	356	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	356	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	356	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	356	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*116*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 13-16	180012.1000.0000	Asphalt	25-Oct-10 12:45	25-Oct-10
SB19979-35				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	271	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	271	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	271	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	271	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	271	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	271	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	271	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	271	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	271	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 17-20	180012.1000.0000	Asphalt	25-Oct-10 12:50	25-Oct-10
SB19979-36				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	378	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	378	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	378	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	378	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	378	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	378	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	378	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	378	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	378	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 21-24 SB19979-37	180012.1000.0000	Asphalt	25-Oct-10 12:55	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	304	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	304	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	304	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	304	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	304	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	304	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	304	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	304	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	304	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*111*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 21-24A SB19979-38	180012.1000.0000	Asphalt	25-Oct-10 13:00	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	339	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	339	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	339	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	339	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	339	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	339	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	339	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	339	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	339	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 25 SB19979-39	180012.1000.0000	Asphalt	24-Oct-10 11:42	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	321	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	321	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	321	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	321	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	321	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	321	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	321	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	321	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	321	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 26-29 SB19979-40	180012.1000.0000	Asphalt	25-Oct-10 13:05	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	348	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	348	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	348	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	348	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	348	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	348	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	348	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	348	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	348	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 30-33 SB19979-41	180012.1000.0000	Asphalt	25-Oct-10 13:10	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	355	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	355	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	355	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	355	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	355	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	355	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	355	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	355	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	355	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 34-37 SB19979-42	180012.1000.0000	Asphalt	25-Oct-10 13:15	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	390	1	SW846 8082	25-Oct-10	27-Oct-10	DS	1022246	X
11104-28-2	Aroclor-1221	BRL		µg/kg	390	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	390	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	390	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	390	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	390	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	390	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	390	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	390	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 38-41	180012.1000.0000	Asphalt	25-Oct-10 13:20	25-Oct-10
SB19979-43				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	385	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022248	X
11104-28-2	Aroclor-1221	BRL		µg/kg	385	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	385	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	385	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	385	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	385	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	385	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	385	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	385	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*119*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*132*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 42-45	180012.1000.0000	Asphalt	25-Oct-10 13:25	25-Oct-10
SB19979-44				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	318	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022248	X
11104-28-2	Aroclor-1221	BRL		µg/kg	318	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	318	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	318	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	318	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	564		µg/kg	318	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	318	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	318	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	318	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*123*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*140*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 46-48	180012.1000.0000	Asphalt	25-Oct-10 13:30	25-Oct-10
SB19979-45				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	393	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022248	X
11104-28-2	Aroclor-1221	BRL		µg/kg	393	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	393	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	393	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	393	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	393	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	393	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	393	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	393	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*122*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 49-51	180012.1000.0000	Asphalt	25-Oct-10 13:35	25-Oct-10
SB19979-46				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	351	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022248	X
11104-28-2	Aroclor-1221	BRL		µg/kg	351	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	351	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	351	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	351	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	351	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	351	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	351	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	351	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*124*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B 52-54 SB19979-47	180012.1000.0000	Asphalt	25-Oct-10 13:40	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	317	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022248	X
11104-28-2	Aroclor-1221	BRL		µg/kg	317	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	317	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	317	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	317	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	317	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	317	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	317	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	317	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*119*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*104*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*131*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 1-4 SB19979-48	180012.1000.0000	Asphalt	25-Oct-10 13:45	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	337	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022248	X
11104-28-2	Aroclor-1221	BRL		µg/kg	337	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	337	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	337	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	337	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	337	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	337	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	337	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	337	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*109*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*89*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 5-8 SB19979-49	180012.1000.0000	Asphalt	25-Oct-10 13:50	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	340	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022248	X
11104-28-2	Aroclor-1221	BRL		µg/kg	340	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	340	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	340	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	340	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	340	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	340	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	340	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	340	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 9-12 SB19979-50	180012.1000.0000	Asphalt	25-Oct-10 13:55	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	398	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022248	X
11104-28-2	Aroclor-1221	BRL		µg/kg	398	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	398	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	398	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	398	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	398	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	398	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	398	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	398	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*109*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 13-16 SB19979-51	180012.1000.0000	Asphalt	25-Oct-10 14:00	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	389	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022248	X
11104-28-2	Aroclor-1221	BRL		µg/kg	389	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	389	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	389	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	389	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	389	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	389	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	389	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	389	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*111*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*113*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 17-20 SB19979-52	180012.1000.0000	Asphalt	25-Oct-10 14:05	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	385	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022248	X
11104-28-2	Aroclor-1221	BRL		µg/kg	385	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	385	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	385	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	385	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	385	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	385	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	385	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	385	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*116*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 21-23 SB19979-53	180012.1000.0000	Asphalt	25-Oct-10 14:10	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	276	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022248	X
11104-28-2	Aroclor-1221	BRL		µg/kg	276	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	276	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	276	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	276	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	276	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	276	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	276	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	276	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*114*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 24-26 SB19979-54	180012.1000.0000	Asphalt	25-Oct-10 14:15	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	313	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022248	X
11104-28-2	Aroclor-1221	BRL		µg/kg	313	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	313	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	313	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	313	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	313	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	313	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	313	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	313	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*77*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 27-28 SB19979-55	180012.1000.0000	Soil	25-Oct-10 14:20	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.2	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*111*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	88.0		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 27-28A SB19979-56	180012.1000.0000	Soil	25-Oct-10 14:25	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.7	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*116*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	87.7		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 29-30 SB19979-57	180012.1000.0000	Soil	25-Oct-10 14:30	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.6	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	88.3		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 31-32 SB19979-58	180012.1000.0000	Soil	25-Oct-10 14:35	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.2	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*128*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*116*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	90.0		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 33-34 SB19979-59	180012.1000.0000	Soil	25-Oct-10 14:40	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.1	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	371		µg/kg dry	22.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*116*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	90.5		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 35-36 SB19979-60	180012.1000.0000	Soil	25-Oct-10 14:45	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.1	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	218		µg/kg dry	22.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*81*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	89.9		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 37-38 SB19979-61	180012.1000.0000	Soil	25-Oct-10 14:50	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.7	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	607		µg/kg dry	21.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*69*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*71*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	88.9		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 39-40 SB19979-62	180012.1000.0000	Soil	25-Oct-10 14:52	25-Oct-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.8	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,330		µg/kg dry	21.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	90.3		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 41-42 SB19979-63	180012.1000.0000	Soil	25-Oct-10 14:54	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.7	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	400		µg/kg dry	21.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*111*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	89.6		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 43-44 SB19979-64	180012.1000.0000	Soil	25-Oct-10 14:56	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.2	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,220		µg/kg dry	22.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*81*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	89.2		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 45-46 SB19979-65	180012.1000.0000	Soil	25-Oct-10 14:58	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.4	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	973		µg/kg dry	22.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	87.2		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 47-48 SB19979-66	180012.1000.0000	Soil	25-Oct-10 15:00	25-Oct-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.1	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	886		µg/kg dry	22.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*84*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	89.7		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022311	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 49-50	180012.1000.0000	Soil	25-Oct-10 15:03	25-Oct-10
SB19979-67				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.8	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,940		µg/kg dry	22.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*104*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	87.3		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022313	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 51	180012.1000.0000	Soil	24-Oct-10 09:01	25-Oct-10
SB19979-68				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.6	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	47.8		µg/kg dry	21.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*119*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	91.6		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022313	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D 52-53	180012.1000.0000	Soil	25-Oct-10 15:06	25-Oct-10
SB19979-69				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.6	1	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	8,790	E	µg/kg dry	21.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*118*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	216	10	SW846 8082	25-Oct-10	27-Oct-10	SM	1022247	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	216	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	216	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	216	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	216	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	10,500		µg/kg dry	216	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	216	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	216	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	216	10	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*120*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	91.0		%		1	SM2540 G Mod.	26-Oct-10	26-Oct-10	BD	1022313	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1022245 - SW846 3540C										
Blank (1022245-BLK1)					Prepared: 25-Oct-10 Analyzed: 26-Oct-10					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.3*		µg/kg wet		*20.0*		*132*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*28.7*		µg/kg wet		*20.0*		*144*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.2*		µg/kg wet		*20.0*		*121*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.6*		µg/kg wet		*20.0*		*113*	*30-150*		
LCS (1022245-BS1)					Prepared: 25-Oct-10 Analyzed: 26-Oct-10					
Aroclor-1016	241		µg/kg wet	20.0	250		96	50-140		
Aroclor-1016 [2C]	240		µg/kg wet	20.0	250		96	50-140		
Aroclor-1260	224		µg/kg wet	20.0	250		89	50-140		
Aroclor-1260 [2C]	225		µg/kg wet	20.0	250		90	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.6*		µg/kg wet		*20.0*		*123*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*26.0*		µg/kg wet		*20.0*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.3*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.7*		µg/kg wet		*20.0*		*109*	*30-150*		
LCS Dup (1022245-BSD1)					Prepared: 25-Oct-10 Analyzed: 26-Oct-10					
Aroclor-1016	248		µg/kg wet	20.0	250		99	50-140	3	30
Aroclor-1016 [2C]	246		µg/kg wet	20.0	250		98	50-140	3	30
Aroclor-1260	233		µg/kg wet	20.0	250		93	50-140	4	30
Aroclor-1260 [2C]	224		µg/kg wet	20.0	250		90	50-140	0.4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*25.2*		µg/kg wet		*20.0*		*126*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*27.0*		µg/kg wet		*20.0*		*135*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.4*		µg/kg wet		*20.0*		*112*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.9*		µg/kg wet		*20.0*		*115*	*30-150*		
Duplicate (1022245-DUP1)			**Source: SB19979-01**		Prepared: 25-Oct-10 Analyzed: 26-Oct-10					
Aroclor-1016	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1221	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1232	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1242	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1248	BRL		µg/kg dry	63.7		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1022245 - SW846 3540C										
Duplicate (1022245-DUP1)			**Source: SB19979-01**		Prepared: 25-Oct-10 Analyzed: 26-Oct-10					
Aroclor-1248 [2C]	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1254	1070		µg/kg dry	63.7		854			22	40
Aroclor-1254 [2C]	1030		µg/kg dry	63.7		785			27	40
Aroclor-1260	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1262	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1268	BRL		µg/kg dry	63.7		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	63.7		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*86.0*		µg/kg dry		*63.7*		*135*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*92.1*		µg/kg dry		*63.7*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*62.1*		µg/kg dry		*63.7*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*70.8*		µg/kg dry		*63.7*		*111*	*30-150*		
Matrix Spike (1022245-MS1)			**Source: SB19979-01**		Prepared: 25-Oct-10 Analyzed: 26-Oct-10					
Aroclor-1016	889		µg/kg dry	65.3	816	BRL	109	40-135		
Aroclor-1016 [2C]	900		µg/kg dry	65.3	816	BRL	110	40-135		
Aroclor-1260	850		µg/kg dry	65.3	816	BRL	104	40-135		
Aroclor-1260 [2C]	773		µg/kg dry	65.3	816	BRL	95	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*77.1*		µg/kg dry		*65.3*		*118*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*83.6*		µg/kg dry		*65.3*		*128*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*58.1*		µg/kg dry		*65.3*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*65.6*		µg/kg dry		*65.3*		*101*	*30-150*		
Matrix Spike Dup (1022245-MSD1)			**Source: SB19979-01**		Prepared: 25-Oct-10 Analyzed: 26-Oct-10					
Aroclor-1016	842		µg/kg dry	64.7	809	BRL	104	40-135	5	30
Aroclor-1016 [2C]	912		µg/kg dry	64.7	809	BRL	113	40-135	2	30
Aroclor-1260	801		µg/kg dry	64.7	809	BRL	99	40-135	5	30
Aroclor-1260 [2C]	769		µg/kg dry	64.7	809	BRL	95	40-135	0.4	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*85.7*		µg/kg dry		*64.7*		*133*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*88.0*		µg/kg dry		*64.7*		*136*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*64.7*		µg/kg dry		*64.7*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*68.6*		µg/kg dry		*64.7*		*106*	*30-150*		
Batch 1022246 - SW846 3540C										
Blank (1022246-BLK1)					Prepared: 25-Oct-10 Analyzed: 26-Oct-10					
Aroclor-1016	BRL		µg/kg	400						
Aroclor-1016 [2C]	BRL		µg/kg	400						
Aroclor-1221	BRL		µg/kg	400						
Aroclor-1221 [2C]	BRL		µg/kg	400						
Aroclor-1232	BRL		µg/kg	400						
Aroclor-1232 [2C]	BRL		µg/kg	400						
Aroclor-1242	BRL		µg/kg	400						
Aroclor-1242 [2C]	BRL		µg/kg	400						
Aroclor-1248	BRL		µg/kg	400						
Aroclor-1248 [2C]	BRL		µg/kg	400						
Aroclor-1254	BRL		µg/kg	400						
Aroclor-1254 [2C]	BRL		µg/kg	400						
Aroclor-1260	BRL		µg/kg	400						
Aroclor-1260 [2C]	BRL		µg/kg	400						
Aroclor-1262	BRL		µg/kg	400						
Aroclor-1262 [2C]	BRL		µg/kg	400						
Aroclor-1268	BRL		µg/kg	400						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1022246 - SW846 3540C										
Blank (1022246-BLK1)						Prepared: 25-Oct-10 Analyzed: 26-Oct-10				
Aroclor-1268 [2C]	BRL		µg/kg	400						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*422*		µg/kg		*400*		*106*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*372*		µg/kg		*400*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*480*		µg/kg		*400*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*434*		µg/kg		*400*		*109*	*30-150*		
LCS (1022246-BS1)						Prepared: 25-Oct-10 Analyzed: 26-Oct-10				
Aroclor-1016	4610		µg/kg	400	5000		92	50-140		
Aroclor-1016 [2C]	4100		µg/kg	400	5000		82	50-140		
Aroclor-1260	4490		µg/kg	400	5000		90	50-140		
Aroclor-1260 [2C]	4290		µg/kg	400	5000		86	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*414*		µg/kg		*400*		*104*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*372*		µg/kg		*400*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*476*		µg/kg		*400*		*119*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*428*		µg/kg		*400*		*107*	*30-150*		
LCS Dup (1022246-BSD1)						Prepared: 25-Oct-10 Analyzed: 26-Oct-10				
Aroclor-1016	4410		µg/kg	400	5000		88	50-140	4	30
Aroclor-1016 [2C]	4100		µg/kg	400	5000		82	50-140	0	30
Aroclor-1260	4400		µg/kg	400	5000		88	50-140	2	30
Aroclor-1260 [2C]	4370		µg/kg	400	5000		87	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*406*		µg/kg		*400*		*102*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*374*		µg/kg		*400*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*460*		µg/kg		*400*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*410*		µg/kg		*400*		*103*	*30-150*		
Duplicate (1022246-DUP1)			**Source: SB19979-18**			Prepared: 25-Oct-10 Analyzed: 26-Oct-10				
Aroclor-1016	BRL		µg/kg	366		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg	366		BRL				40
Aroclor-1221	BRL		µg/kg	366		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg	366		BRL				40
Aroclor-1232	BRL		µg/kg	366		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg	366		BRL				40
Aroclor-1242	BRL		µg/kg	366		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg	366		BRL				40
Aroclor-1248	BRL		µg/kg	366		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg	366		BRL				40
Aroclor-1254	BRL		µg/kg	366		BRL				40
Aroclor-1254 [2C]	BRL		µg/kg	366		BRL				40
Aroclor-1260	BRL		µg/kg	366		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg	366		BRL				40
Aroclor-1262	BRL		µg/kg	366		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg	366		BRL				40
Aroclor-1268	BRL		µg/kg	366		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg	366		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*395*		µg/kg		*366*		*108*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*371*		µg/kg		*366*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*444*		µg/kg		*366*		*122*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*386*		µg/kg		*366*		*106*	*30-150*		
Batch 1022247 - SW846 3540C										
Blank (1022247-BLK1)						Prepared: 25-Oct-10 Analyzed: 27-Oct-10				
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1022247 - SW846 3540C										
Blank (1022247-BLK1)					Prepared: 25-Oct-10 Analyzed: 27-Oct-10					
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.0*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.2*		µg/kg wet		*20.0*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.1*		µg/kg wet		*20.0*		*126*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.6*		µg/kg wet		*20.0*		*103*	*30-150*		
LCS (1022247-BS1)					Prepared: 25-Oct-10 Analyzed: 27-Oct-10					
Aroclor-1016	240		µg/kg wet	20.0	250		96	50-140		
Aroclor-1016 [2C]	233		µg/kg wet	20.0	250		93	50-140		
Aroclor-1260	243		µg/kg wet	20.0	250		97	50-140		
Aroclor-1260 [2C]	219		µg/kg wet	20.0	250		88	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*24.4*		µg/kg wet		*20.0*		*122*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.4*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.9*		µg/kg wet		*20.0*		*130*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.7*		µg/kg wet		*20.0*		*104*	*30-150*		
LCS Dup (1022247-BSD1)					Prepared: 25-Oct-10 Analyzed: 27-Oct-10					
Aroclor-1016	245		µg/kg wet	20.0	250		98	50-140	2	30
Aroclor-1016 [2C]	231		µg/kg wet	20.0	250		92	50-140	0.7	30
Aroclor-1260	246		µg/kg wet	20.0	250		99	50-140	1	30
Aroclor-1260 [2C]	221		µg/kg wet	20.0	250		89	50-140	0.9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.2*		µg/kg wet		*20.0*		*116*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.3*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.2*		µg/kg wet		*20.0*		*131*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.5*		µg/kg wet		*20.0*		*108*	*30-150*		
Duplicate (1022247-DUP1)			**Source: SB19979-25**		Prepared: 25-Oct-10 Analyzed: 27-Oct-10					
Aroclor-1016	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1221	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1232	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1242	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1248	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1254	BRL		µg/kg dry	21.3		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1022247 - SW846 3540C										
Duplicate (1022247-DUP1)			**Source: SB19979-25**		Prepared: 25-Oct-10 Analyzed: 27-Oct-10					
Aroclor-1254 [2C]	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1260	BRL		µg/kg dry	21.3		14.4				40
Aroclor-1260 [2C]	BRL		µg/kg dry	21.3		13.3				40
Aroclor-1262	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1268	BRL		µg/kg dry	21.3		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	21.3		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.0*		µg/kg dry		*21.3*		*108*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.9*		µg/kg dry		*21.3*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.3*		µg/kg dry		*21.3*		*124*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.8*		µg/kg dry		*21.3*		*107*	*30-150*		
Matrix Spike (1022247-MS1)			**Source: SB19979-25**		Prepared: 25-Oct-10 Analyzed: 27-Oct-10					
Aroclor-1016	218		µg/kg dry	21.3	266	BRL	82	40-135		
Aroclor-1016 [2C]	198		µg/kg dry	21.3	266	BRL	75	40-135		
Aroclor-1260	227		µg/kg dry	21.3	266	14.4	80	40-135		
Aroclor-1260 [2C]	222		µg/kg dry	21.3	266	13.3	79	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.3*		µg/kg dry		*21.3*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.1*		µg/kg dry		*21.3*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.7*		µg/kg dry		*21.3*		*116*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.8*		µg/kg dry		*21.3*		*98*	*30-150*		
Matrix Spike Dup (1022247-MSD1)			**Source: SB19979-25**		Prepared: 25-Oct-10 Analyzed: 27-Oct-10					
Aroclor-1016	217		µg/kg dry	21.3	267	BRL	81	40-135	0.9	30
Aroclor-1016 [2C]	191		µg/kg dry	21.3	267	BRL	72	40-135	4	30
Aroclor-1260	228		µg/kg dry	21.3	267	14.4	80	40-135	0.08	30
Aroclor-1260 [2C]	216		µg/kg dry	21.3	267	13.3	76	40-135	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.4*		µg/kg dry		*21.3*		*95*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.9*		µg/kg dry		*21.3*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.4*		µg/kg dry		*21.3*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.3*		µg/kg dry		*21.3*		*100*	*30-150*		
Batch 1022248 - SW846 3540C										
Blank (1022248-BLK1)					Prepared: 25-Oct-10 Analyzed: 27-Oct-10					
Aroclor-1016	BRL		µg/kg	400						
Aroclor-1016 [2C]	BRL		µg/kg	400						
Aroclor-1221	BRL		µg/kg	400						
Aroclor-1221 [2C]	BRL		µg/kg	400						
Aroclor-1232	BRL		µg/kg	400						
Aroclor-1232 [2C]	BRL		µg/kg	400						
Aroclor-1242	BRL		µg/kg	400						
Aroclor-1242 [2C]	BRL		µg/kg	400						
Aroclor-1248	BRL		µg/kg	400						
Aroclor-1248 [2C]	BRL		µg/kg	400						
Aroclor-1254	BRL		µg/kg	400						
Aroclor-1254 [2C]	BRL		µg/kg	400						
Aroclor-1260	BRL		µg/kg	400						
Aroclor-1260 [2C]	BRL		µg/kg	400						
Aroclor-1262	BRL		µg/kg	400						
Aroclor-1262 [2C]	BRL		µg/kg	400						
Aroclor-1268	BRL		µg/kg	400						
Aroclor-1268 [2C]	BRL		µg/kg	400						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*512*		µg/kg		*400*		*128*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1022248 - SW846 3540C										
Blank (1022248-BLK1)					Prepared: 25-Oct-10 Analyzed: 27-Oct-10					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*450*		µg/kg		*400*		*113*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*570*		µg/kg		*400*		*143*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*486*		µg/kg		*400*		*122*	*30-150*		
LCS (1022248-BS1)					Prepared: 25-Oct-10 Analyzed: 27-Oct-10					
Aroclor-1016	5170		µg/kg	400	5000		103	50-140		
Aroclor-1016 [2C]	4720		µg/kg	400	5000		94	50-140		
Aroclor-1260	5100		µg/kg	400	5000		102	50-140		
Aroclor-1260 [2C]	4850		µg/kg	400	5000		97	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*460*		µg/kg		*400*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*428*		µg/kg		*400*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*530*		µg/kg		*400*		*133*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*480*		µg/kg		*400*		*120*	*30-150*		
LCS Dup (1022248-BSD1)					Prepared: 25-Oct-10 Analyzed: 27-Oct-10					
Aroclor-1016	5170		µg/kg	400	5000		103	50-140	0.04	30
Aroclor-1016 [2C]	4800		µg/kg	400	5000		96	50-140	2	30
Aroclor-1260	5360		µg/kg	400	5000		107	50-140	5	30
Aroclor-1260 [2C]	4740		µg/kg	400	5000		95	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*474*		µg/kg		*400*		*119*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*430*		µg/kg		*400*		*108*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*554*		µg/kg		*400*		*139*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*428*		µg/kg		*400*		*107*	*30-150*		
Duplicate (1022248-DUP1)			**Source: SB19979-43**		Prepared: 25-Oct-10 Analyzed: 27-Oct-10					
Aroclor-1016	BRL		µg/kg	267		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg	267		BRL				40
Aroclor-1221	BRL		µg/kg	267		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg	267		BRL				40
Aroclor-1232	BRL		µg/kg	267		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg	267		BRL				40
Aroclor-1242	BRL		µg/kg	267		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg	267		BRL				40
Aroclor-1248	BRL		µg/kg	267		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg	267		BRL				40
Aroclor-1254	BRL		µg/kg	267		BRL				40
Aroclor-1254 [2C]	BRL		µg/kg	267		BRL				40
Aroclor-1260	BRL		µg/kg	267		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg	267		BRL				40
Aroclor-1262	BRL		µg/kg	267		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg	267		BRL				40
Aroclor-1268	BRL		µg/kg	267		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg	267		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*302*		µg/kg		*267*		*113*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*270*		µg/kg		*267*		*101*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*371*		µg/kg		*267*		*139*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*290*		µg/kg		*267*		*109*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1022311 - General Preparation										
Duplicate (1022311-DUP1)			**Source: SB19979-15**		Prepared & Analyzed: 26-Oct-10					
% Solids	84.9		%			86.5			2	20
Batch 1022313 - General Preparation										
Duplicate (1022313-DUP1)			**Source: SB19979-67**		Prepared & Analyzed: 26-Oct-10					
% Solids	87.4		%			87.3			0.05	20

Notes and Definitions

E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic

Validated by:
Hanibal C. Tayeh, Ph.D.
Kimberly Wisk
Nicole Leja

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Whitney - Hamden, CT

Project Number: 180012.1000.0000

Sampling Date(s):
10/24/2010 through 10/25/2010

Laboratory Sample ID(s):
SB19979-01 through SB19979-69

RCP Methods Used:
SW846 8082

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	Yes	✓ No
4	Were all QA/QC performance criteria specified in the 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? ** Exceptions are defined by qualifiers*	Yes Yes	✓ No 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

Note: 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."

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 obtaining the information contained in this analytical report, such information is accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director
Date: 10/28/2010

SB 19979 Fy

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 days
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Malcolm Beeler / TRC
21 Griffin Road North
Windsor, CT 06095

Telephone #: 860-298-6223
Project Mgr.

Invoice To: Rebecca Cutter
under CT DPW PO
copy attached

P.O. No.: 9672 RQN:

Project No.: 180012.1000.0000
Site Name: Whitney
Location: Hamden State: CT
Sampler(s): Hilton Hernandez, Chris Carlson

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ice/refrigerator 11=

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Building Material X2= X3=
Building Material = brick/concrete

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass (Jar)	# of Clear Glass	# of Plastic		3540/8082							
19979-01	IE3-C-6"	10/23/10	1429	G	X1		1				X							
02	IE3-D 6"		1520	G	X1		1				X							
03	C2-C-6"		1334	G	X1		1				X							
04	E1-C-6"		1400	G	X1		1				X							
05	IC5-D-6"		1309	G	X1		1				X							
06	IDC4-D-6"		1250	G	X1		1				X							
07	IC1-D-0"		1017	G	X1		1				X							
08	C9-A-0"		1021	G	X1		1				X							
09	IE4-B-0"		1003	G	X1		1				X							
10	C2-C-6"A		1336	G	X1		1				X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm G Beeler	[signature]	10-25-10	1545	10.3
		10/25/10	1625	5.1

☐ EDD Format
☒ E-mail to mbeeler@trcsolutions.com

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

SB 19979 Bu

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: See page 1

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.:

Site Name:

Location: State:

Sampler(s):

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Asphalt X2= X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass 4oz	# of Clear Glass	# of Plastic		Analyses: 3540/8082							
19979-11	A 1-2	10/25	11.00	C	SO		1				X							
12	A 3-4	↓	11 05	C	SO		1				X							
13	A 5-6	↓	1110	C	SO		1				X							
14	A 7-8	↓	11 15	C	SO		1				X							
15	A 9-10	↓	11 20	C	SO		1				X							
16	A 11-12	↓	11 25	C	SO		1				X							
17	A 13	10 24	0935	G	SO		1				X							
18	C 1-4	10/25	1130	C	XI		1				X							
19	C 5-8	↓	1135	C	XI		1				X							
20	C 9-12	↓	1140	C	XI		1				X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Buler		10-25-10	1545	10.3
		10/25/10	1625	5.1

☐ EDD Format
☐ E-mail to

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp ____°C ☐ Freezer temp ____°C

SB 19979 Bry

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: see page 1

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.:

Site Name:

Location: State:

Sampler(s):

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Asphalt X2= Concrete X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass 40z	# of Clear Glass	# of Plastic		Analyses: 3540/8082							
19979-21	C 13-15	10/25	1145	C	X1		1				X							
22	C 16-18	10/25	1150	C	X2		1				X							
23	C 19	10/24	1004	G	30		1				X							
24	C 20-23	10/25	1155	C	X2		1				X							
25	C 24	10/24	1003	G	30		1				X							
26	C 25-26	10/25	1200	C	30		1				X							
27	C 27-30	10/25	1205	C	X1		1				X							
28	C 31-34	10/25	1210	C	X1		1				X							
29	C 35-38	10/25	1215	C	X1		1				X							
30	C 39-42	10/25	1220	C	X1		1				X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Bulk		10/25/10	1545	10.3
		10/25/10	1627	5.1

☐ EDD Format
☐ E-mail to

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp ____°C ☐ Freezer temp ____°C

SB 19979 Fy

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: _____
See page 1
Telephone #: _____
Project Mgr. _____

Invoice To: _____
P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: _____
Location: _____ State: _____
Sampler(s): _____

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Asphalt X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass 40ml	# of Clear Glass	# of Plastic	3540/8082
199793	C43-46	10/25	1225	C	X1		1			X
32	B 1-4	10/25	1230	C	X1		1			X
33	B 5-8	10/25	1235	C	X1		1			X
34	B 9-12	10/25	1240	C	X1		1			X
35	B 13-16	10/25	1245	C	X1		1			X
36	B 17-20	10/25	1250	C	X1		1			X
37	B21-24	10/25	1255	C	X1		1			X
38	B21-24 A	10/25	1300	C	X1		1			X
39	B-25	10/24	1142	G	X1		1			X
40	B 26-29	10/25	1305	C	X1		1			X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Beale		10-25-10	1545	10.3
		10/25/10	1627	5.1

☐ EDD Format _____
☐ E-mail to _____

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp ____°C ☐ Freezer temp ____°C

SB 19979 Bn

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: See Page 1

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.:

Site Name:

Location: State:

Sampler(s):

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Asphalt X2= X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass (4oz)	# of Clear Glass	# of Plastic		3540/8082							
19979-41	B30-33	10/25	1310	C	X1		1				X							
42	B34-37	10/25	1315	C	X1		1				X							
43	B38-41	10/25	1320	C	X1		1				X							
44	B42-45	10/25	1325	C	X1		1				X							
45	B46-48	10/25	1330	C	X1		1				X							
46	B49-51	10/25	1335	C	X1		1				X							
47	B52-54	10/25	1340	C	X1		1				X							
48	D1-4	10/25	1345	C	X1		1				X							
49	D5-8	10/25	1350	C	X1		1				X							
50	D9-12	10/25	1355	C	X1		1				X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Butler		10-25-10	1545	10.3
		10/25/10	1635	5.1

☐ EDD Format
☐ E-mail to

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp ____°C ☐ Freezer temp ____°C

SB 19979 Bu

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 6 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: _____ see page 1

Telephone #: _____

Project Mgr. _____

Invoice To: _____

P.O. No.: _____ RQN: _____

Project No.: _____

Site Name: _____

Location: _____ State: _____

Sampler(s): _____

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Asphalt X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass (4oz)	# of Clear Glass	# of Plastic		35 to ecoli							
19979-51	D13-16	10/25	1400	C	X1		1				X							
52	D17-20	10/25	1405	C	X1		1				X							
53	D21-23	10/25	1410	C	X1		1				X							
54	D24-26	10/25	1415	C	X1		1				X							
55	D27-28	10/25	1420	SO	C		1				X							
56	D27-28A	10/25	1425	SO	C		1				X							
57	D29-30	10/25	1430	C	SO		1				X							
58	D31-32	10/25	1435	C	SO		1				X							
59	D33-34	10/25	1440	C	SO		1				X							
60	D35-36	10/25	1445	C	SO		1				X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm G. Burke	[signature]	10-25-10	1545	10.3
	[signature]	10/25/10	1625	5.1

☐ EDD Format _____

☐ E-mail to _____

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp ____°C ☐ Freezer temp ____°C

SB 19979 Bu

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 7 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: _____
see page 1
Telephone #: _____
Project Mgr. _____

Invoice To: _____
P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: _____
Location: _____ State: _____
Sampler(s): _____

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= _____ X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass (402)	# of Clear Glass	# of Plastic		Analyses: 3540/8082							
19979.61	D37-38	10/25	1450	C	SO		1				X							
62	D39-40	10/25	1452	C	SO		1				X							
63	D41-42	10/25	1454	C	SO		1				X							
64	D43-44	10/25	1456	C	SO		1				X							
65	D45-46	10/25	1458	C	SO		1				X							
66	D47-48	10/25	1500	C	SO		1				X							
67	D49-50	10/25	1503	C	SO		1				X							
68	D51	10/25	0901	G	SO		1				X							
69	D52-53	10/25	1506	C	SO		1				X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Buler		10-25-10	1545	1.3
		10/25/10	1625	5.1

☐ EDD Format _____
☐ E-mail to _____

☐ Ambient ☐ Iced ☐ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

Report Date:
04-Nov-10 15:27

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Malcolm Beeler

Project: Whitney - Hamden, CT
Project #: 180012.1000.0000

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB20323-01	IE3-C-10"	Concrete	23-Oct-10 14:25	01-Nov-10 15:50
SB20323-02	IE3-D-10"	Concrete	23-Oct-10 15:15	01-Nov-10 15:50
SB20323-03	IC5-D-9"	Concrete	23-Oct-10 13:05	01-Nov-10 15:50
SB20323-04	IDC4-D-9"	Concrete	23-Oct-10 12:46	01-Nov-10 15:50
SB20323-05	C2-C-3"	Brick	23-Oct-10 13:40	01-Nov-10 15:50
SB20323-06	E1-C-3"	Brick	23-Oct-10 14:05	01-Nov-10 15:50
SB20323-07	B-43	Asphalt	23-Oct-10 17:14	01-Nov-10 15:50
SB20323-08	B-44	Asphalt	23-Oct-10 16:57	01-Nov-10 15:50
SB20323-09	B-45	Asphalt	23-Oct-10 17:16	01-Nov-10 15:50
SB20323-10	B-42	Asphalt	23-Oct-10 16:54	01-Nov-10 15:50
SB20323-11	D-37	Soil	24-Oct-10 09:10	01-Nov-10 15:50
SB20323-12	D-38	Soil	24-Oct-10 09:12	01-Nov-10 15:50
SB20323-13	D-45	Soil	24-Oct-10 09:24	01-Nov-10 15:50
SB20323-14	D-46	Soil	24-Oct-10 09:13	01-Nov-10 15:50
SB20323-15	D-47	Soil	24-Oct-10 09:12	01-Nov-10 15:50
SB20323-16	D-48	Soil	24-Oct-10 09:11	01-Nov-10 15:50

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 16 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 6.0 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 4.3 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082

Samples:

SB20323-06 *E1-C-3″*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C-10" SB20323-01	180012.1000.0000	Concrete	23-Oct-10 14:25	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	62.2	1	SW846 8082	01-Nov-10	02-Nov-10	SM	1022798	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,160		µg/kg dry	62.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*117*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*107*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*129*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	03-Nov-10	03-Nov-10	BD	1022958	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D-10" SB20323-02	180012.1000.0000	Concrete	23-Oct-10 15:15	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	66.7	1	SW846 8082	01-Nov-10	02-Nov-10	SM	1022798	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	66.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	66.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	66.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	66.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,520		µg/kg dry	66.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	265		µg/kg dry	66.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	66.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	66.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*79*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	03-Nov-10	03-Nov-10	BD	1022958	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC5-D-9" SB20323-03	180012.1000.0000	Concrete	23-Oct-10 13:05	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	63.1	1	SW846 8082	01-Nov-10	02-Nov-10	SM	1022798	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	391		µg/kg dry	63.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*109*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	03-Nov-10	03-Nov-10	BD	1022958	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IDC4-D-9" SB20323-04	180012.1000.0000	Concrete	23-Oct-10 12:46	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	62.0	1	SW846 8082	01-Nov-10	02-Nov-10	SM	1022798	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	707		µg/kg dry	62.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	795		µg/kg dry	62.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*59*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	03-Nov-10	03-Nov-10	BD	1022959	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C-3" SB20323-05	180012.1000.0000	Brick	23-Oct-10 13:40	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	60.6	1	SW846 8082	01-Nov-10	03-Nov-10	SM	1022797	X
11104-28-2	Aroclor-1221	BRL		µg/kg	60.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	60.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	60.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	60.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	60.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	60.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	60.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	60.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*137*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*128*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-C-3" SB20323-06	180012.1000.0000	Brick	23-Oct-10 14:05	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	65.5	1	SW846 8082	01-Nov-10	03-Nov-10	SM	1022797	X
11104-28-2	Aroclor-1221	BRL		µg/kg	65.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	65.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	65.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	65.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg	65.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	65.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	65.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	65.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*128*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*115*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*188*	S02		*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-43 SB20323-07	180012.1000.0000	Asphalt	23-Oct-10 17:14	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	65.6	1	SW846 8082	01-Nov-10	03-Nov-10	SM	1022797	X
11104-28-2	Aroclor-1221	BRL		µg/kg	65.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	65.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	65.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	65.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	205		µg/kg	65.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	65.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	65.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	65.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*118*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-44 SB20323-08	180012.1000.0000	Asphalt	23-Oct-10 16:57	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	66.1	1	SW846 8082	01-Nov-10	03-Nov-10	SM	1022797	X
11104-28-2	Aroclor-1221	BRL		µg/kg	66.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	66.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	66.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	66.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	528		µg/kg	66.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	66.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	66.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	66.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-45 SB20323-09	180012.1000.0000	Asphalt	23-Oct-10 17:16	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	65.6	1	SW846 8082	01-Nov-10	03-Nov-10	SM	1022797	X
11104-28-2	Aroclor-1221	BRL		µg/kg	65.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	65.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	65.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	65.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	361		µg/kg	65.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	65.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	65.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	65.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*68*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
B-42 SB20323-10	180012.1000.0000	Asphalt	23-Oct-10 16:54	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg	65.6	1	SW846 8082	01-Nov-10	03-Nov-10	SM	1022797	X
11104-28-2	Aroclor-1221	BRL		µg/kg	65.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg	65.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg	65.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg	65.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	102		µg/kg	65.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg	65.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg	65.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg	65.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D-37 SB20323-11	180012.1000.0000	Soil	24-Oct-10 09:10	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.5	1	SW846 8082	01-Nov-10	02-Nov-10	SM	1022798	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	658		µg/kg dry	21.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*71*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*74*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	88.4		%		1	SM2540 G Mod.	03-Nov-10	03-Nov-10	BD	1022959	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D-38 SB20323-12	180012.1000.0000	Soil	24-Oct-10 09:12	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.2	1	SW846 8082	01-Nov-10	02-Nov-10	SM	1022798	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	683		µg/kg dry	22.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*134*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*121*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	88.7		%		1	SM2540 G Mod.	03-Nov-10	03-Nov-10	BD	1022959	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D-45 SB20323-13	180012.1000.0000	Soil	24-Oct-10 09:24	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.8	1	SW846 8082	01-Nov-10	02-Nov-10	SM	1022798	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	840		µg/kg dry	22.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	86.0		%		1	SM2540 G Mod.	03-Nov-10	03-Nov-10	BD	1022959	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D-46 SB20323-14	180012.1000.0000	Soil	24-Oct-10 09:13	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	21.3	1	SW846 8082	01-Nov-10	02-Nov-10	SM	1022798	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,080		µg/kg dry	21.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	21.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*121*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*128*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*119*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	88.2		%		1	SM2540 G Mod.	03-Nov-10	03-Nov-10	BD	1022959	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D-47 SB20323-15	180012.1000.0000	Soil	24-Oct-10 09:12	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	22.0	1	SW846 8082	01-Nov-10	02-Nov-10	SM	1022798	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	22.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	22.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	22.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	22.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,630		µg/kg dry	22.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	22.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	22.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	22.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*117*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	87.9		%		1	SM2540 G Mod.	03-Nov-10	03-Nov-10	BD	1022959	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
D-48 SB20323-16	180012.1000.0000	Soil	24-Oct-10 09:11	01-Nov-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	20.8	1	SW846 8082	01-Nov-10	02-Nov-10	SM	1022798	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	20.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	20.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	20.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	20.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	591		µg/kg dry	20.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	20.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	20.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	20.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*114*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*123*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*113*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	90.0		%		1	SM2540 G Mod.	03-Nov-10	03-Nov-10	BD	1022959	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1022797 - SW846 3540C										
Blank (1022797-BLK1)					Prepared: 01-Nov-10 Analyzed: 03-Nov-10					
Aroclor-1016	BRL		µg/kg	20.0						
Aroclor-1016 [2C]	BRL		µg/kg	20.0						
Aroclor-1221	BRL		µg/kg	20.0						
Aroclor-1221 [2C]	BRL		µg/kg	20.0						
Aroclor-1232	BRL		µg/kg	20.0						
Aroclor-1232 [2C]	BRL		µg/kg	20.0						
Aroclor-1242	BRL		µg/kg	20.0						
Aroclor-1242 [2C]	BRL		µg/kg	20.0						
Aroclor-1248	BRL		µg/kg	20.0						
Aroclor-1248 [2C]	BRL		µg/kg	20.0						
Aroclor-1254	BRL		µg/kg	20.0						
Aroclor-1254 [2C]	BRL		µg/kg	20.0						
Aroclor-1260	BRL		µg/kg	20.0						
Aroclor-1260 [2C]	BRL		µg/kg	20.0						
Aroclor-1262	BRL		µg/kg	20.0						
Aroclor-1262 [2C]	BRL		µg/kg	20.0						
Aroclor-1268	BRL		µg/kg	20.0						
Aroclor-1268 [2C]	BRL		µg/kg	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.1*		µg/kg		*20.0*		*116*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.2*		µg/kg		*20.0*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.7*		µg/kg		*20.0*		*134*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.1*		µg/kg		*20.0*		*116*	*30-150*		
LCS (1022797-BS1)					Prepared: 01-Nov-10 Analyzed: 03-Nov-10					
Aroclor-1016	239		µg/kg	20.0	250		96	50-140		
Aroclor-1016 [2C]	207		µg/kg	20.0	250		83	50-140		
Aroclor-1260	239		µg/kg	20.0	250		96	50-140		
Aroclor-1260 [2C]	221		µg/kg	20.0	250		88	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.7*		µg/kg		*20.0*		*114*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.8*		µg/kg		*20.0*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*26.7*		µg/kg		*20.0*		*134*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.9*		µg/kg		*20.0*		*110*	*30-150*		
LCS Dup (1022797-BSD1)					Prepared: 01-Nov-10 Analyzed: 03-Nov-10					
Aroclor-1016	239		µg/kg	20.0	250		96	50-140	0.08	30
Aroclor-1016 [2C]	209		µg/kg	20.0	250		83	50-140	0.7	30
Aroclor-1260	238		µg/kg	20.0	250		95	50-140	0.5	30
Aroclor-1260 [2C]	223		µg/kg	20.0	250		89	50-140	0.7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.3*		µg/kg		*20.0*		*112*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.3*		µg/kg		*20.0*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.6*		µg/kg		*20.0*		*128*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.3*		µg/kg		*20.0*		*112*	*30-150*		
Batch 1022798 - SW846 3540C										
Blank (1022798-BLK1)					Prepared: 01-Nov-10 Analyzed: 02-Nov-10					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1022798 - SW846 3540C										
Blank (1022798-BLK1)						Prepared: 01-Nov-10 Analyzed: 02-Nov-10				
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.6*		µg/kg wet		*20.0*		*113*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.7*		µg/kg wet		*20.0*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.8*		µg/kg wet		*20.0*		*119*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.2*		µg/kg wet		*20.0*		*106*	*30-150*		
LCS (1022798-BS1)						Prepared: 01-Nov-10 Analyzed: 02-Nov-10				
Aroclor-1016	221		µg/kg wet	20.0	250		88	50-140		
Aroclor-1016 [2C]	211		µg/kg wet	20.0	250		85	50-140		
Aroclor-1260	216		µg/kg wet	20.0	250		86	50-140		
Aroclor-1260 [2C]	221		µg/kg wet	20.0	250		88	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.3*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.8*		µg/kg wet		*20.0*		*124*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.8*		µg/kg wet		*20.0*		*114*	*30-150*		
LCS Dup (1022798-BSD1)						Prepared: 01-Nov-10 Analyzed: 02-Nov-10				
Aroclor-1016	233		µg/kg wet	20.0	250		93	50-140	5	30
Aroclor-1016 [2C]	209		µg/kg wet	20.0	250		84	50-140	1	30
Aroclor-1260	221		µg/kg wet	20.0	250		88	50-140	2	30
Aroclor-1260 [2C]	218		µg/kg wet	20.0	250		87	50-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*23.0*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.3*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet		*20.0*		*122*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.3*		µg/kg wet		*20.0*		*117*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1022959 - General Preparation										
Duplicate (1022959-DUP1)			**Source: SB20323-04**		Prepared & Analyzed: 03-Nov-10					
% Solids	99.7		%			99.7			0.04	20

Notes and Definitions

S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Whitney - Hamden, CT

Project Number: 180012.1000.0000

Sampling Date(s):
10/23/2010 through 10/24/2010

Laboratory Sample ID(s):
SB20323-01 through SB20323-16

RCP Methods Used:
SW846 8082

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the 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? ** Exceptions are defined by qualifiers*	Yes Yes	✓ No 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

Note: 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."

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 obtaining the information contained in this analytical report, such information is accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director
Date: 11/4/2010

SB 20323

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3 day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Malcolm Beeler / TRC
21 Griffin Road North
Windsor, CT 06095
Telephone #: 860-298-6223
Project Mgr.

Invoice To: Rebecca Cutler CTDPW
under CT DPW PO
P.O. No.: 9672 RQN:

Project No.: 180012.1000.0000
Site Name: Whitney
Location: Hamden State: CT
Sampler(s): MAB

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= Brick X3= Asphalt

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		3540/8082							
20323-01	IE3-C-10"	10/23	1425	G	X1		1				X							
-02	IE3-D-10"	10/23	1515	G	X1		1				X							
-03	IC5-D-9"	10/23	1305	G	X1		1				X							
-04	IDC4-D-9"	10/23	1246	G	X1		1				X							
-05	C2-C-3"	10/23	1340	G	X2		1				X							
-06	E1-C-3"	10/23	1405	G	X2		1				X							
-07	B-43	10/23	1714	G	X3		1				X							
-08	B-44	10/23	1657	G	X3		1				X							
-09	B-45	10/23	1716	G	X3		1				X							
-10	B-42	10/23	1654	G	X3		1				X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Beeler	[signature]	11/1/10	2:45	60
[signature]	[signature]	11/1/10	1550	4.3

☐ EDD Format
☒ E-mail to mbeeler@trcsolutions.com

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp 5 °C ☐ Freezer temp ___ °C

✓ 20323

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 2

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3-day
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- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: See Page 1

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.:

Site Name:

Location: State:

Sampler(s):

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☒ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass (407)	# of Clear Glass	# of Plastic		3540/8082							
20323-11	D-37	10/24	0910	G	SO		1				X							
-12	D-38	10/24	0912	G	SO		1				X							
-13	D-45	10/24	0924	G	SO		1				X							
-14	D-46	10/24	0913	G	SO		1				X							
-15	D-47	10/24	0912	G	SO		1				X							
-16	D-48	10/24	0911	G	SO		1				X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Bahn	[signature]	11/1/10	2:45	6.0
[signature]	[signature]	11/1/10	1550	4.3

☐ EDD Format
☐ E-mail to

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp 5 °C ☐ Freezer temp ___ °C

Report Date:
24-Nov-10 14:55

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Malcolm Beeler

Project: Whitney - Hamden, CT
Project #: 180012.100000.000000

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB21410-01	IG15	Caulk/Glaze	19-Nov-10 18:30	22-Nov-10 16:00
SB21410-02	IC7	Caulk/Glaze	19-Nov-10 18:20	22-Nov-10 16:00
SB21410-03	IG22	Caulk/Glaze	19-Nov-10 17:20	22-Nov-10 16:00
SB21410-04	IG20	Caulk/Glaze	19-Nov-10 19:50	22-Nov-10 16:00
SB21410-05	IG17	Caulk/Glaze	19-Nov-10 00:00	22-Nov-10 16:00
SB21410-06	IG15	Caulk/Glaze	19-Nov-10 21:10	22-Nov-10 16:00
SB21410-07	IDC3	Caulk/Glaze	19-Nov-10 19:55	22-Nov-10 16:00
SB21410-08	IG14	Caulk/Glaze	19-Nov-10 18:35	22-Nov-10 16:00
SB21410-09	IG16	Caulk/Glaze	19-Nov-10 20:15	22-Nov-10 16:00
SB21410-10	IC10	Caulk/Glaze	19-Nov-10 21:15	22-Nov-10 16:00
SB21410-11	IG19	Caulk/Glaze	19-Nov-10 19:30	22-Nov-10 16:00
SB21410-12	IG23	Caulk/Glaze	19-Nov-10 17:25	22-Nov-10 16:00
SB21410-13	IC12	Caulk/Glaze	19-Nov-10 18:00	22-Nov-10 16:00
SB21410-14	C13	Caulk/Glaze	19-Nov-10 16:55	22-Nov-10 16:00
SB21410-15	C12	Caulk/Glaze	19-Nov-10 16:40	22-Nov-10 16:00
SB21410-16	IC8	Caulk/Glaze	19-Nov-10 16:00	22-Nov-10 16:00
SB21410-17	IG21	Caulk/Glaze	19-Nov-10 17:15	22-Nov-10 16:00
SB21410-18	IG19B	Caulk/Glaze	19-Nov-10 19:35	22-Nov-10 16:00
SB21410-19	IDC7	Caulk/Glaze	19-Nov-10 18:25	22-Nov-10 16:00
SB21410-20	C14	Caulk/Glaze	19-Nov-10 21:05	22-Nov-10 16:00
SB21410-21	IC9	Caulk/Glaze	19-Nov-10 20:05	22-Nov-10 16:00
SB21410-22	IG18	Caulk/Glaze	19-Nov-10 19:05	22-Nov-10 16:00
SB21410-23	IG19a	Caulk/Glaze	19-Nov-10 21:25	22-Nov-10 16:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 32 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 5.9 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 1.0 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082

Samples:

SB21410-01 *IG15*

Matrix interference affected the internal standard recovery on the confirmation column. The results from the primary column were used.

2,4,5,6-TC-M-Xylene (IS) [2C]

The Reporting Limit has been raised to account for matrix interference.

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr) [2C]

SB21410-06 *IG15*

Matrix interference affected the internal standard recovery on the confirmation column. The results from the primary column were used.

2,4,5,6-TC-M-Xylene (IS) [2C]

The Reporting Limit has been raised to account for matrix interference.

SW846 8082

Samples:

SB21410-06 *IG15*

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

Decachlorobiphenyl (Sr) [2C]

SB21410-07 *IDC3*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).

Aroclor-1254 [2C]

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB21410-07RE1 *IDC3*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB21410-09 *IG16*

Matrix interference affected the internal standard recovery on the confirmation column. The results from the primary column were used.

2,4,5,6-TC-M-Xylene (IS) [2C]

The Reporting Limit has been raised to account for matrix interference.

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr) [2C]

SB21410-12 *IG23*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB21410-17 *IG21*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

SW846 8082

Samples:

SB21410-17 *IG21*

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB21410-20 *C14*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB21410-21 *IC9*

Sample dilution required for high concentration of target analytes to be within the instrument calibration range.

The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.

4,4-DB-Octafluorobiphenyl (Sr)
4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr)
Decachlorobiphenyl (Sr) [2C]

SB21410-23 *IG19a*

Matrix interference affected the internal standard recovery on the confirmation column. The results from the primary column were used.

2,4,5,6-TC-M-Xylene (IS) [2C]

The Reporting Limit has been raised to account for matrix interference.

The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

4,4-DB-Octafluorobiphenyl (Sr) [2C]
Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG15 SB21410-01	180012.100000.000000	Caulk/Glaze	19-Nov-10 18:30	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			R01									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	1680	10	SW846 8082	22-Nov-10	23-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	1680	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	1680	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	1680	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	1680	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	1680	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	1680	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	1680	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	1680	10	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*5*	S04		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*10*	S04		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.6		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	DT	1024415	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC7 SB21410-02	180012.100000.000000	Caulk/Glaze	19-Nov-10 18:20	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	104	1	SW846 8082	22-Nov-10	23-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	104	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	104	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	104	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	104	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	104	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*84*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*117*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	83.2		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	DT	1024415	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG22 SB21410-03	180012.100000.000000	Caulk/Glaze	19-Nov-10 17:20	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	356	1	SW846 8082	22-Nov-10	23-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	356	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	356	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	356	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	356	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	15,900		µg/kg dry	356	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	356	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	356	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	356	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*114*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	92.6		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	DT	1024415	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG20 SB21410-04	180012.100000.000000	Caulk/Glaze	19-Nov-10 19:50	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	176	1	SW846 8082	22-Nov-10	23-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	176	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	176	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	176	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	176	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	176	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	176	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	176	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	176	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.4		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	DT	1024415	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG17 SB21410-05	180012.100000.000000	Caulk/Glaze	19-Nov-10 00:00	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	124	1	SW846 8082	22-Nov-10	24-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	124	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	124	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	124	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	124	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,170		µg/kg dry	124	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	124	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	124	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	124	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*79*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*118*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*138*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.2		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	DT	1024415	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG15 SB21410-06	180012.100000.000000	Caulk/Glaze	19-Nov-10 21:10	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			R01									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	712	5	SW846 8082	22-Nov-10	24-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	712	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	712	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	712	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	712	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	712	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	712	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	712	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	712	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*40*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*45*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*755*	S04		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	DT	1024415	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IDC3	180012.100000.000000	Caulk/Glaze	19-Nov-10 19:55	22-Nov-10
SB21410-07				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	210000	1000	SW846 8082	22-Nov-10	24-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	210000	1000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	210000	1000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	210000	1000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	210000	1000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	48,300,000	E	µg/kg dry	210000	1000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	210000	1000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	210000	1000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	210000	1000	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
Re-analysis of Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	421000	2000	SW846 8082	22-Nov-10	24-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	421000	2000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	421000	2000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	421000	2000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	421000	2000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	53,800,000		µg/kg dry	421000	2000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	421000	2000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	421000	2000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	421000	2000	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	92.1		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	DT	1024415	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG14 SB21410-08	180012.100000.000000	Caulk/Glaze	19-Nov-10 18:35	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	163	1	SW846 8082	22-Nov-10	23-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	163	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	163	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	163	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	163	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,450		µg/kg dry	163	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	163	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	163	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	163	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*53*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.7		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	DT	1024415	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG16 SB21410-09	180012.100000.000000	Caulk/Glaze	19-Nov-10 20:15	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			R01									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	795	5	SW846 8082	22-Nov-10	24-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	795	5	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	795	5	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	795	5	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	795	5	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	795	5	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	795	5	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	795	5	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	795	5	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*775*	S04		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*62*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*12*	S04		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.1		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	DT	1024415	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC10 SB21410-10	180012.100000.000000	Caulk/Glaze	19-Nov-10 21:15	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	204	1	SW846 8082	22-Nov-10	23-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	204	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	204	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	204	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	204	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	204	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	204	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	204	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	204	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*73*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*65*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	94.2		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	DT	1024415	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG19 SB21410-11	180012.100000.000000	Caulk/Glaze	19-Nov-10 19:30	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	171	1	SW846 8082	22-Nov-10	23-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	171	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	171	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	171	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	171	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	410		µg/kg dry	171	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	171	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	171	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	171	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*121*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*127*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.2		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	DT	1024415	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG23 SB21410-12	180012.100000.000000	Caulk/Glaze	19-Nov-10 17:25	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	176	1	SW846 8082	22-Nov-10	24-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	176	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	176	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	176	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	176	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	4,510		µg/kg dry	176	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	176	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	176	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	176	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*252*	S02		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	DT	1024415	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC12 SB21410-13	180012.100000.000000	Caulk/Glaze	19-Nov-10 18:00	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	167	1	SW846 8082	22-Nov-10	24-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	167	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	167	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	167	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	167	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	809		µg/kg dry	167	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	167	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	167	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	167	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.1		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	BD	1024417	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C13 SB21410-14	180012.100000.000000	Caulk/Glaze	19-Nov-10 16:55	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	184	1	SW846 8082	22-Nov-10	23-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	184	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	184	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	184	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	184	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	184	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	184	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	184	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	184	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.5		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	BD	1024417	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C12 SB21410-15	180012.100000.000000	Caulk/Glaze	19-Nov-10 16:40	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	176	1	SW846 8082	22-Nov-10	23-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	176	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	176	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	176	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	176	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	176	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	176	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	176	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	176	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*113*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*120*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*72*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.6		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	BD	1024417	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC8 SB21410-16	180012.100000.000000	Caulk/Glaze	19-Nov-10 16:00	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	199	1	SW846 8082	22-Nov-10	23-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	199	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	199	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	199	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	199	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	365		µg/kg dry	199	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	199	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	199	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	199	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*107*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.9		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	BD	1024417	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG21 SB21410-17	180012.100000.000000	Caulk/Glaze	19-Nov-10 17:15	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	17900	100	SW846 8082	22-Nov-10	24-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	17900	100	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	17900	100	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	17900	100	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	17900	100	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,700,000		µg/kg dry	17900	100	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	17900	100	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	17900	100	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	17900	100	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.9		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	BD	1024417	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG19B SB21410-18	180012.100000.000000	Caulk/Glaze	19-Nov-10 19:35	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	163	1	SW846 8082	22-Nov-10	24-Nov-10	SM	1024376	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	163	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	163	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	163	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	163	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	537		µg/kg dry	163	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	163	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	163	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	163	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*138*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.4		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	BD	1024417	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IDC7 SB21410-19	180012.100000.000000	Caulk/Glaze	19-Nov-10 18:25	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	198	1	SW846 8082	22-Nov-10	24-Nov-10	SM	1024381	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	198	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	198	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	198	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	198	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	498		µg/kg dry	198	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	198	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	198	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	198	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*117*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*136*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*131*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.8		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	BD	1024417	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C14 SB21410-20	180012.100000.000000	Caulk/Glaze	19-Nov-10 21:05	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	203	1	SW846 8082	22-Nov-10	24-Nov-10	SM	1024381	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	203	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	203	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	203	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	203	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	674		µg/kg dry	203	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	203	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	973		µg/kg dry	203	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	203	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*339*	S02		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.2		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	BD	1024417	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC9 SB21410-21	180012.100000.000000	Caulk/Glaze	19-Nov-10 20:05	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			GS1									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	408000	2000	SW846 8082	22-Nov-10	24-Nov-10	SM	1024381	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	408000	2000	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	408000	2000	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	408000	2000	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	408000	2000	"	"	"	"	"	X
11097-69-1	Aroclor-1254	43,200,000		µg/kg dry	408000	2000	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	408000	2000	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	408000	2000	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	408000	2000	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*0*	S01		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*0*	S01		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.0		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	BD	1024417	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG18 SB21410-22	180012.100000.000000	Caulk/Glaze	19-Nov-10 19:05	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg wet	249	1	SW846 8082	22-Nov-10	24-Nov-10	SM	1024381	X
11104-28-2	Aroclor-1221	BRL		µg/kg wet	249	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg wet	249	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg wet	249	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg wet	249	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	15,100		µg/kg wet	249	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg wet	249	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg wet	249	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg wet	249	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*61*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*46*			*30-150 %*		"	"	"	"	"	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IG19a SB21410-23	180012.100000.000000	Caulk/Glaze	19-Nov-10 21:25	22-Nov-10

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C			R01									
12674-11-2	Aroclor-1016	BRL		µg/kg dry	1940	10	SW846 8082	22-Nov-10	24-Nov-10	SM	1024381	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	1940	10	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	1940	10	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	1940	10	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	1940	10	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	1940	10	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	1940	10	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	1940	10	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	1940	10	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*0*	S04		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*20*	S04		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.2		%		1	SM2540 G Mod.	23-Nov-10	23-Nov-10	BD	1024417	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1024376 - SW846 3540C										
Blank (1024376-BLK1)					Prepared: 22-Nov-10 Analyzed: 23-Nov-10					
Aroclor-1016	BRL		µg/kg wet	200						
Aroclor-1016 [2C]	BRL		µg/kg wet	200						
Aroclor-1221	BRL		µg/kg wet	200						
Aroclor-1221 [2C]	BRL		µg/kg wet	200						
Aroclor-1232	BRL		µg/kg wet	200						
Aroclor-1232 [2C]	BRL		µg/kg wet	200						
Aroclor-1242	BRL		µg/kg wet	200						
Aroclor-1242 [2C]	BRL		µg/kg wet	200						
Aroclor-1248	BRL		µg/kg wet	200						
Aroclor-1248 [2C]	BRL		µg/kg wet	200						
Aroclor-1254	BRL		µg/kg wet	200						
Aroclor-1254 [2C]	BRL		µg/kg wet	200						
Aroclor-1260	BRL		µg/kg wet	200						
Aroclor-1260 [2C]	BRL		µg/kg wet	200						
Aroclor-1262	BRL		µg/kg wet	200						
Aroclor-1262 [2C]	BRL		µg/kg wet	200						
Aroclor-1268	BRL		µg/kg wet	200						
Aroclor-1268 [2C]	BRL		µg/kg wet	200						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*170*		µg/kg wet		*200*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*162*		µg/kg wet		*200*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*210*		µg/kg wet		*200*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*176*		µg/kg wet		*200*		*88*	*30-150*		
LCS (1024376-BS1)					Prepared: 22-Nov-10 Analyzed: 23-Nov-10					
Aroclor-1016	1960		µg/kg wet	200	2500		79	50-140		
Aroclor-1016 [2C]	1830		µg/kg wet	200	2500		73	50-140		
Aroclor-1260	2240		µg/kg wet	200	2500		90	50-140		
Aroclor-1260 [2C]	2100		µg/kg wet	200	2500		84	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*160*		µg/kg wet		*200*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*152*		µg/kg wet		*200*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*205*		µg/kg wet		*200*		*103*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*162*		µg/kg wet		*200*		*81*	*30-150*		
LCS Dup (1024376-BSD1)					Prepared: 22-Nov-10 Analyzed: 23-Nov-10					
Aroclor-1016	1980		µg/kg wet	200	2500		79	50-140	0.8	30
Aroclor-1016 [2C]	1820		µg/kg wet	200	2500		73	50-140	0.9	30
Aroclor-1260	2110		µg/kg wet	200	2500		84	50-140	6	30
Aroclor-1260 [2C]	2040		µg/kg wet	200	2500		81	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*158*		µg/kg wet		*200*		*79*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*150*		µg/kg wet		*200*		*75*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*205*		µg/kg wet		*200*		*103*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*157*		µg/kg wet		*200*		*78*	*30-150*		
Batch 1024381 - SW846 3540C										
Blank (1024381-BLK1)					Prepared: 22-Nov-10 Analyzed: 24-Nov-10					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1024381 - SW846 3540C										
Blank (1024381-BLK1)						Prepared: 22-Nov-10 Analyzed: 24-Nov-10				
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*26.5*		µg/kg wet		*20.0*		*133*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*29.7*		µg/kg wet		*20.0*		*149*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*27.8*		µg/kg wet		*20.0*		*139*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*30.0*		µg/kg wet		*20.0*		*150*	*30-150*		
LCS (1024381-BS1)						Prepared: 22-Nov-10 Analyzed: 24-Nov-10				
Aroclor-1016	205		µg/kg wet	20.0	250		82	50-140		
Aroclor-1016 [2C]	206		µg/kg wet	20.0	250		83	50-140		
Aroclor-1260	199		µg/kg wet	20.0	250		80	50-140		
Aroclor-1260 [2C]	209		µg/kg wet	20.0	250		83	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.1*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.7*		µg/kg wet		*20.0*		*109*	*30-150*		
LCS Dup (1024381-BSD1)						Prepared: 22-Nov-10 Analyzed: 24-Nov-10				
Aroclor-1016	202		µg/kg wet	20.0	250		81	50-140	1	30
Aroclor-1016 [2C]	197		µg/kg wet	20.0	250		79	50-140	5	30
Aroclor-1260	195		µg/kg wet	20.0	250		78	50-140	2	30
Aroclor-1260 [2C]	204		µg/kg wet	20.0	250		82	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.1*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.3*		µg/kg wet		*20.0*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.5*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.4*		µg/kg wet		*20.0*		*102*	*30-150*		

Notes and Definitions

DC8	Matrix interference affected the internal standard recovery on the confirmation column. The results from the primary column were used.
E	The concentration indicated for this analyte is an estimated value. This value is considered an estimate (CLP E-flag).
GS1	Sample dilution required for high concentration of target analytes to be within the instrument calibration range.
R01	The Reporting Limit has been raised to account for matrix interference.
S01	The surrogate recovery for this sample is not available due to sample dilution required from high analyte concentration and/or matrix interference's.
S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
S04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja
Rebecca Merz

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Whitney - Hamden, CT

Project Number: 180012.100000.000000

Sampling Date(s):
11/19/2010

Laboratory Sample ID(s):
SB21410-01 through SB21410-23

RCP Methods Used:
SW846 8082

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the 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? ** Exceptions are defined by qualifiers*	Yes Yes	✓ No 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

Note: 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."

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 obtaining the information contained in this analytical report, such information is accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director
Date: 11/24/2010

SB 21410 SGW

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 11/25 1700
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Malcolm Becker
21 Griffin Rd North
Windsor, CT 06095
Telephone #: 860-298-6223
Project Mgr. Malcolm Becker

Invoice To: CT DPW
P.O. No.: RQN:

Project No.: 180012.100000.000000
Site Name: Whitney High School
Location: Hamden State: CT
Sampler(s): Mike Kostruba

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=caulk/glaze X2= X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Analyses: 8082-3540							
21410-01	IG15	11/19	1830	G	X1		1				4							
02	IC7		1820															
03	IG22		1720															
04	IG20		1950															
05	IG17		2															
06	IG15		2110															
07	ID C3		1955															
08	IG14		1835															
09	IG16		2015															
10	IC10		2115															

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Becker		11-22-10	0925	5.9
		11/22/10	1630	1.0

☒ EDD Format pdf
☒ E-mail to mbecker@trcsolutions.com

☐ Ambient ☐ Iced ☐ Refrigerated ☒ Fridge temp 3.3 °C ☐ Freezer temp ____ °C

SB 21410 Bu

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: _____
See P

Telephone #: _____
Project Mgr. _____

Invoice To: _____
1

P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: _____
Location: _____ State: _____
Sampler(s): _____

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Caulk/Glazing X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		8082/3540							
8/1410 11	IG 19	11/19	1930	G	X1		1				X							
12	IG23		1725															
13	IC12		1800															
14	C13		1655															
15	C12		1640															
16	IC8		1600															
17	IG21		1715															
18	IG 19B		1935															
19	IDC 7		1825															
20	C14		2105															

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm G. Butler		11-22-10	0925	5.9
		11/22/10	16:00	1.0

☐ EDD Format _____
☐ E-mail to _____

☐ Ambient ☐ Iced ☐ Refrigerated ☑ Fridge temp 5.3 °C ☐ Freezer temp ____ °C

SB 21410 J Fay

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☐ Rush TAT - Date Needed: _____
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: _____
See P 1
Telephone #: _____
Project Mgr. _____

Invoice To: _____
P.O. No.: _____ RQN: _____

Project No.: _____
Site Name: _____
Location: _____ State: _____
Sampler(s): _____

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= _____ 11= _____

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= caulk/glaze X2= _____ X3= _____

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other _____

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		Analyses: 8082/2540							
21410-21	JC9	11/19	2005	G	X1		1				↓							
22	IG18	11/19	1905	↓	↓		↓				↓							
23	IG19a	11/19	2125															
~~24~~	XX	XXX										MAD						

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Butler	[signature]	11-22-10	0925	5.9
[signature]	[signature]	11/22/10	16:00	1.0

☐ EDD Format _____
☐ E-mail to _____

☐ Ambient ☐ Iced ☑ Refrigerated ☑ Fridge temp 3.3 °C ☐ Freezer temp ____ °C

Report Date:
05-Jan-11 16:10

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Malcolm Beeler

Project: Eli Whitney - Hamden, CT
Project #: 180012.1000

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB23033-01	IE3-C1-24"	Concrete	28-Dec-10 08:15	30-Dec-10 13:00
SB23033-02	IE3-C2-18"	Concrete	28-Dec-10 08:17	30-Dec-10 13:00
SB23033-03	IE3-C3-24"	Concrete	28-Dec-10 08:20	30-Dec-10 13:00
SB23033-04	IE3-C4-24"	Concrete	28-Dec-10 08:24	30-Dec-10 13:00
SB23033-05	IE3-C5-36"	Concrete	28-Dec-10 08:30	30-Dec-10 13:00
SB23033-06	IE3-C6-24"	Concrete	28-Dec-10 08:36	30-Dec-10 13:00
SB23033-07	IE3-C7-24"	Concrete	28-Dec-10 08:42	30-Dec-10 13:00
SB23033-08	IE3-B1-24"	Brick	28-Dec-10 09:10	30-Dec-10 13:00
SB23033-09	IE3-B2-12"	Brick	28-Dec-10 09:12	30-Dec-10 13:00
SB23033-10	IE3-B3-24"	Concrete	28-Dec-10 09:18	30-Dec-10 13:00
SB23033-11	IE3-B4-18"	Concrete	28-Dec-10 09:20	30-Dec-10 13:00
SB23033-12	IE3-B5-24"	Concrete	28-Dec-10 09:22	30-Dec-10 13:00
SB23033-13	IE3-B6-24"	Concrete	28-Dec-10 09:30	30-Dec-10 13:00
SB23033-14	IE3-D1-24"	Concrete	29-Dec-10 10:10	30-Dec-10 13:00
SB23033-15	IE3-D2-18"	Concrete	29-Dec-10 10:26	30-Dec-10 13:00
SB23033-16	IE3-D3-24"	Concrete	29-Dec-10 10:30	30-Dec-10 13:00
SB23033-17	IE3-D4-36"	Concrete	29-Dec-10 10:34	30-Dec-10 13:00
SB23033-18	IE3-D5-24"	Concrete	29-Dec-10 10:30	30-Dec-10 13:00
SB23033-19	IE3-D6-24"	Concrete	29-Dec-10 10:40	30-Dec-10 13:00
SB23033-20	IC4-D7-6"	Concrete	29-Dec-10 11:10	30-Dec-10 13:00
SB23033-21	IC4-D8-Sill	Concrete	29-Dec-10 11:15	30-Dec-10 13:00
SB23033-22	IC4-D9-6"	Concrete	29-Dec-10 11:21	30-Dec-10 13:00
SB23033-23	IC4-D10-6"	Concrete	29-Dec-10 11:25	30-Dec-10 13:00
SB23033-24	IC4-D11-Sill	Concrete	29-Dec-10 11:27	30-Dec-10 13:00
SB23033-25	IC4-D12-6"	Concrete	29-Dec-10 11:35	30-Dec-10 13:00
SB23033-26	IC4-D13-6"	Concrete	29-Dec-10 11:37	30-Dec-10 13:00
SB23033-27	IC4-D14-Sill	Concrete	29-Dec-10 11:39	30-Dec-10 13:00
SB23033-28	IC4-D15-6"	Concrete	29-Dec-10 11:45	30-Dec-10 13:00
SB23033-29	IC4-D16-6"	Concrete	29-Dec-10 11:50	30-Dec-10 13:00
SB23033-30	IC4-D17-6"	Concrete	29-Dec-10 11:57	30-Dec-10 13:00
SB23033-31	IDC4-D18-12"	Concrete	29-Dec-10 12:10	30-Dec-10 13:00
SB23033-32	IDC4-D19-24"	Concrete	29-Dec-10 12:13	30-Dec-10 13:00
SB23033-33	IDC4-D20-12"	Concrete	29-Dec-10 12:22	30-Dec-10 13:00
SB23033-34	IDC4-D21-24"	Concrete	29-Dec-10 12:25	30-Dec-10 13:00
SB23033-35	IC4-B7-6"	Concrete	29-Dec-10 14:10	30-Dec-10 13:00
SB23033-36	IC4-B8-Sill	Concrete	29-Dec-10 14:15	30-Dec-10 13:00
SB23033-37	IC4-B9-6"	Concrete	29-Dec-10 14:30	30-Dec-10 13:00

SB23033-38	IC4-B10-6"	Concrete	29-Dec-10 14:33	30-Dec-10 13:00
SB23033-39	IC4-B11-6"	Concrete	29-Dec-10 14:40	30-Dec-10 13:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director

Technical Reviewer's Initial:

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 30 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 4.8 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 1.9 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Spikes:

1027273-MSD1 *Source: SB23033-21*

RPD out of acceptance range.

Aroclor-1260

Duplicates:

1027273-DUP1 *Source: SB23033-21*

Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.

Aroclor-1260
Aroclor-1260 [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C1-24" SB23033-01	180012.1000	Concrete	28-Dec-10 08:15	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.6	1	SW846 8082A	03-Jan-11	04-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	916		µg/kg dry	60.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	60.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*123*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*89*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.1		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C2-18" SB23033-02	180012.1000	Concrete	28-Dec-10 08:17	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	65.1	1	SW846 8082A	03-Jan-11	04-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	65.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	65.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	65.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	65.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	969		µg/kg dry	65.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	65.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	65.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	65.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*134*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.9		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C3-24" SB23033-03	180012.1000	Concrete	28-Dec-10 08:20	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.1	1	SW846 8082A	03-Jan-11	04-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	401		µg/kg dry	60.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	60.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*123*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.0		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C4-24" SB23033-04	180012.1000	Concrete	28-Dec-10 08:24	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	53.1	1	SW846 8082A	03-Jan-11	04-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	53.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	53.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	53.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	53.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,620		µg/kg dry	53.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,130		µg/kg dry	53.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	53.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	53.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*124*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.9		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C5-36" SB23033-05	180012.1000	Concrete	28-Dec-10 08:30	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	67.1	1	SW846 8082A	03-Jan-11	04-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	407		µg/kg dry	67.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*131*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.8		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C6-24" SB23033-06	180012.1000	Concrete	28-Dec-10 08:36	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	57.2	1	SW846 8082A	03-Jan-11	04-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	57.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	57.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	57.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	57.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	858		µg/kg dry	57.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	57.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	57.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	57.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*129*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.0		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C7-24" SB23033-07	180012.1000	Concrete	28-Dec-10 08:42	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	66.4	1	SW846 8082A	03-Jan-11	04-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,380		µg/kg dry	66.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	860		µg/kg dry	66.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*131*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*119*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-B1-24" SB23033-08	180012.1000	Brick	28-Dec-10 09:10	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.9	1	SW846 8082A	03-Jan-11	04-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	59.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*48*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-B2-12" SB23033-09	180012.1000	Brick	28-Dec-10 09:12	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.3	1	SW846 8082A	03-Jan-11	04-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	61.2		µg/kg dry	58.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*122*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*145*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-B3-24" SB23033-10	180012.1000	Concrete	28-Dec-10 09:18	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	52.0	1	SW846 8082A	03-Jan-11	04-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	52.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	52.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	52.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	52.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	52.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	52.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	52.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	52.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*127*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*69*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.9		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-B4-18" SB23033-11	180012.1000	Concrete	28-Dec-10 09:20	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	57.8	1	SW846 8082A	03-Jan-11	04-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	57.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*116*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.1		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-B5-24" SB23033-12	180012.1000	Concrete	28-Dec-10 09:22	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	54.0	1	SW846 8082A	03-Jan-11	04-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	54.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	54.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	54.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	54.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	119		µg/kg dry	54.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	198		µg/kg dry	54.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	54.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	54.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*124*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-B6-24" SB23033-13	180012.1000	Concrete	28-Dec-10 09:30	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	62.9	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	62.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	62.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	62.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	492		µg/kg dry	62.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	218		µg/kg dry	62.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	62.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	62.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	62.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*113*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.9		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D1-24" SB23033-14	180012.1000	Concrete	29-Dec-10 10:10	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	55.6	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	55.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	55.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	55.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	55.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,140		µg/kg dry	55.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	334		µg/kg dry	55.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	55.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	55.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*138*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*119*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D2-18" SB23033-15	180012.1000	Concrete	29-Dec-10 10:26	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	62.7	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	62.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	62.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	62.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	62.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,100		µg/kg dry	62.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	854		µg/kg dry	62.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	62.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	62.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*117*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*83*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027241	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D3-24" SB23033-16	180012.1000	Concrete	29-Dec-10 10:30	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	64.0	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	775		µg/kg dry	64.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*147*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.1		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D4-36" SB23033-17	180012.1000	Concrete	29-Dec-10 10:34	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	65.6	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	65.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	65.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	65.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	65.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	956		µg/kg dry	65.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	65.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	65.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	65.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*84*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*119*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D5-24" SB23033-18	180012.1000	Concrete	29-Dec-10 10:30	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.5	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	952		µg/kg dry	59.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*79*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*117*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D6-24" SB23033-19	180012.1000	Concrete	29-Dec-10 10:40	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.2	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*69*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*74*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*64*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*57*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.0		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D7-6" SB23033-20	180012.1000	Concrete	29-Dec-10 11:10	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	54.2	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027272	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	54.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	54.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	54.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	54.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,220		µg/kg dry	54.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,560		µg/kg dry	54.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	54.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	54.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*84*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*118*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*104*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D8-Sill SB23033-21	180012.1000	Concrete	29-Dec-10 11:15	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	61.5	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	61.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	61.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	61.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	61.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	10,400		µg/kg dry	61.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,280		µg/kg dry	61.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	61.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	61.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*84*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*134*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D9-6" SB23033-22	180012.1000	Concrete	29-Dec-10 11:21	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.0	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,940		µg/kg dry	58.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,140		µg/kg dry	58.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*77*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D10-6" SB23033-23	180012.1000	Concrete	29-Dec-10 11:25	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	61.1	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,510		µg/kg dry	61.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*67*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*70*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*125*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.9		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D11-Sill SB23033-24	180012.1000	Concrete	29-Dec-10 11:27	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	64.2	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	64.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	64.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	64.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	64.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,220		µg/kg dry	64.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	64.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	64.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	64.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.1		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D12-6" SB23033-25	180012.1000	Concrete	29-Dec-10 11:35	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	64.0	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,770		µg/kg dry	64.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	822		µg/kg dry	64.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D13-6" SB23033-26	180012.1000	Concrete	29-Dec-10 11:37	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	64.1	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,490		µg/kg dry	64.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D14-Sill	180012.1000	Concrete	29-Dec-10 11:39	30-Dec-10
SB23033-27				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	53.0	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	53.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	53.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	53.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	53.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	5,410		µg/kg dry	53.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	53.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	53.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	53.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*110*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*127*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.1		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D15-6"	180012.1000	Concrete	29-Dec-10 11:45	30-Dec-10
SB23033-28				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	63.6	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	63.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	63.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	63.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	63.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	3,560		µg/kg dry	63.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	981		µg/kg dry	63.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	63.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	63.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*127*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*135*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.9		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D16-6" SB23033-29	180012.1000	Concrete	29-Dec-10 11:50	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	65.3	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,620		µg/kg dry	65.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	672		µg/kg dry	65.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.1		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D17-6" SB23033-30	180012.1000	Concrete	29-Dec-10 11:57	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.0	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,090		µg/kg dry	59.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	927		µg/kg dry	59.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*74*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.9		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IDC4-D18-12" SB23033-31	180012.1000	Concrete	29-Dec-10 12:10	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.0	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,370		µg/kg dry	59.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*73*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IDC4-D19-24" SB23033-32	180012.1000	Concrete	29-Dec-10 12:13	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	57.1	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	57.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	57.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	57.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	57.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	57.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	57.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	57.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	57.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*65*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*58*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*54*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*52*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IDC4-D20-12" SB23033-33	180012.1000	Concrete	29-Dec-10 12:22	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	63.8	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,780		µg/kg dry	63.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,200		µg/kg dry	63.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*143*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IDC4-D21-24" SB23033-34	180012.1000	Concrete	29-Dec-10 12:25	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	55.5	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	55.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	55.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	55.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	55.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,060		µg/kg dry	55.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	55.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	55.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	55.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*71*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*64*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*144*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-B7-6" SB23033-35	180012.1000	Concrete	29-Dec-10 14:10	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	63.3	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	63.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	63.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	63.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	63.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	965		µg/kg dry	63.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	63.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	63.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	63.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*115*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-B8-Sill SB23033-36	180012.1000	Concrete	29-Dec-10 14:15	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	62.3	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	62.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	62.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	62.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	62.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,650		µg/kg dry	62.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	62.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	62.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	62.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*64*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*62*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*126*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.5		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027245	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-B9-6" SB23033-37	180012.1000	Concrete	29-Dec-10 14:30	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.4	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	574		µg/kg dry	59.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,240		µg/kg dry	59.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*70*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*64*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*140*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027245	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-B10-6" SB23033-38	180012.1000	Concrete	29-Dec-10 14:33	30-Dec-10

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.7	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	805		µg/kg dry	58.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	971		µg/kg dry	58.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*71*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*119*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027245	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-B11-6"	180012.1000	Concrete	29-Dec-10 14:40	30-Dec-10
SB23033-39				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	67.6	1	SW846 8082A	03-Jan-11	05-Jan-11	SM	1027273	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	67.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	67.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	67.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	67.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,910		µg/kg dry	67.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	67.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	67.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	67.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*67*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.3		%		1	SM2540 G Mod.	30-Dec-10	30-Dec-10	BD	1027245	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1027272 - SW846 3540C										
Blank (1027272-BLK1)						Prepared: 03-Jan-11	Analyzed: 04-Jan-11			
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*13.3*		µg/kg wet		*20.0*		*66*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*12.7*		µg/kg wet		*20.0*		*64*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*17.6*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*14.2*		µg/kg wet		*20.0*		*71*	*30-150*		
LCS (1027272-BS1)						Prepared: 03-Jan-11	Analyzed: 04-Jan-11			
Aroclor-1016	226		µg/kg wet	20.0	250		90	50-140		
Aroclor-1016 [2C]	216		µg/kg wet	20.0	250		86	50-140		
Aroclor-1260	258		µg/kg wet	20.0	250		103	50-140		
Aroclor-1260 [2C]	262		µg/kg wet	20.0	250		105	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.8*		µg/kg wet		*20.0*		*89*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.7*		µg/kg wet		*20.0*		*119*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.6*		µg/kg wet		*20.0*		*98*	*30-150*		
LCS (1027272-BS2)						Prepared: 03-Jan-11	Analyzed: 04-Jan-11			
Aroclor-1016	235		µg/kg wet	20.0	250		94	50-140		
Aroclor-1016 [2C]	205		µg/kg wet	20.0	250		82	50-140		
Aroclor-1260	252		µg/kg wet	20.0	250		101	50-140		
Aroclor-1260 [2C]	248		µg/kg wet	20.0	250		99	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.4*		µg/kg wet		*20.0*		*82*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*15.9*		µg/kg wet		*20.0*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.8*		µg/kg wet		*20.0*		*119*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.6*		µg/kg wet		*20.0*		*93*	*30-150*		
LCS Dup (1027272-BSD1)						Prepared: 03-Jan-11	Analyzed: 04-Jan-11			
Aroclor-1016	236		µg/kg wet	20.0	250		94	50-140	4	30
Aroclor-1016 [2C]	207		µg/kg wet	20.0	250		83	50-140	4	30
Aroclor-1260	263		µg/kg wet	20.0	250		105	50-140	2	30
Aroclor-1260 [2C]	242		µg/kg wet	20.0	250		97	50-140	8	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*20.0*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.2*		µg/kg wet		*20.0*		*126*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.3*		µg/kg wet		*20.0*		*92*	*30-150*		
LCS Dup (1027272-BSD2)						Prepared: 03-Jan-11	Analyzed: 04-Jan-11			

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1027272 - SW846 3540C										
LCS Dup (1027272-BSD2)					Prepared: 03-Jan-11 Analyzed: 04-Jan-11					
Aroclor-1016	231		µg/kg wet	20.0	250		92	50-140	2	30
Aroclor-1016 [2C]	206		µg/kg wet	20.0	250		82	50-140	0.2	30
Aroclor-1260	256		µg/kg wet	20.0	250		102	50-140	2	30
Aroclor-1260 [2C]	254		µg/kg wet	20.0	250		101	50-140	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*16.7*		µg/kg wet		*20.0*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.9*		µg/kg wet		*20.0*		*120*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.2*		µg/kg wet		*20.0*		*96*	*30-150*		
Duplicate (1027272-DUP1)			**Source: SB23033-01**		Prepared: 03-Jan-11 Analyzed: 04-Jan-11					
Aroclor-1016	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1221	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1232	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1242	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1248	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1254	945		µg/kg dry	65.4		908			4	40
Aroclor-1254 [2C]	1020		µg/kg dry	65.4		916			10	40
Aroclor-1260	BRL		µg/kg dry	65.4		60.3				40
Aroclor-1260 [2C]	BRL		µg/kg dry	65.4		59.1				40
Aroclor-1262	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1268	BRL		µg/kg dry	65.4		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	65.4		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*54.0*		µg/kg dry		*65.4*		*83*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*54.3*		µg/kg dry		*65.4*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*71.7*		µg/kg dry		*65.4*		*110*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*60.5*		µg/kg dry		*65.4*		*92*	*30-150*		
Matrix Spike (1027272-MS1)			**Source: SB23033-01**		Prepared: 03-Jan-11 Analyzed: 04-Jan-11					
Aroclor-1016	703		µg/kg dry	59.1	738	BRL	95	40-135		
Aroclor-1016 [2C]	665		µg/kg dry	59.1	738	BRL	90	40-135		
Aroclor-1260	730		µg/kg dry	59.1	738	60.3	91	40-135		
Aroclor-1260 [2C]	743		µg/kg dry	59.1	738	59.1	93	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*52.9*		µg/kg dry		*59.1*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*52.0*		µg/kg dry		*59.1*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*72.9*		µg/kg dry		*59.1*		*124*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*59.1*		µg/kg dry		*59.1*		*100*	*30-150*		
Matrix Spike Dup (1027272-MSD1)			**Source: SB23033-01**		Prepared: 03-Jan-11 Analyzed: 04-Jan-11					
Aroclor-1016	747		µg/kg dry	60.5	756	BRL	99	40-135	4	30
Aroclor-1016 [2C]	702		µg/kg dry	60.5	756	BRL	93	40-135	3	30
Aroclor-1260	819		µg/kg dry	60.5	756	60.3	100	40-135	10	30
Aroclor-1260 [2C]	776		µg/kg dry	60.5	756	59.1	95	40-135	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*53.9*		µg/kg dry		*60.5*		*89*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.9*		µg/kg dry		*60.5*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*79.3*		µg/kg dry		*60.5*		*131*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*61.7*		µg/kg dry		*60.5*		*102*	*30-150*		
Batch 1027273 - SW846 3540C										

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1027273 - SW846 3540C										
Blank (1027273-BLK1)					Prepared: 03-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*20.0*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.1*		µg/kg wet		*20.0*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*14.6*		µg/kg wet		*20.0*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.5*		µg/kg wet		*20.0*		*78*	*30-150*		
LCS (1027273-BS1)					Prepared: 03-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	225		µg/kg wet	20.0	250		90	50-140		
Aroclor-1016 [2C]	218		µg/kg wet	20.0	250		87	50-140		
Aroclor-1260	262		µg/kg wet	20.0	250		105	50-140		
Aroclor-1260 [2C]	298		µg/kg wet	20.0	250		119	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.0*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.9*		µg/kg wet		*20.0*		*90*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.3*		µg/kg wet		*20.0*		*122*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*28.2*		µg/kg wet		*20.0*		*141*	*30-150*		
LCS (1027273-BS2)					Prepared: 03-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	237		µg/kg wet	20.0	250		95	50-140		
Aroclor-1016 [2C]	234		µg/kg wet	20.0	250		93	50-140		
Aroclor-1260	254		µg/kg wet	20.0	250		101	50-140		
Aroclor-1260 [2C]	257		µg/kg wet	20.0	250		103	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.2*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.7*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.8*		µg/kg wet		*20.0*		*124*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.1*		µg/kg wet		*20.0*		*121*	*30-150*		
LCS Dup (1027273-BSD1)					Prepared: 03-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	237		µg/kg wet	20.0	250		95	50-140	5	30
Aroclor-1016 [2C]	222		µg/kg wet	20.0	250		89	50-140	2	30
Aroclor-1260	256		µg/kg wet	20.0	250		102	50-140	3	30
Aroclor-1260 [2C]	266		µg/kg wet	20.0	250		106	50-140	11	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.2*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.8*		µg/kg wet		*20.0*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.3*		µg/kg wet		*20.0*		*117*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.8*		µg/kg wet		*20.0*		*94*	*30-150*		
LCS Dup (1027273-BSD2)					Prepared: 03-Jan-11 Analyzed: 05-Jan-11					

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1027273 - SW846 3540C										
LCS Dup (1027273-BSD2)					Prepared: 03-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	239		µg/kg wet	20.0	250		96	50-140	0.9	30
Aroclor-1016 [2C]	222		µg/kg wet	20.0	250		89	50-140	5	30
Aroclor-1260	276		µg/kg wet	20.0	250		111	50-140	9	30
Aroclor-1260 [2C]	270		µg/kg wet	20.0	250		108	50-140	5	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.4*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.7*		µg/kg wet		*20.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*28.2*		µg/kg wet		*20.0*		*141*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.4*		µg/kg wet		*20.0*		*92*	*30-150*		
Duplicate (1027273-DUP1)			**Source: SB23033-21**		Prepared: 03-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1221	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1232	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1242	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1248	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1254	10800		µg/kg dry	53.7		9990			8	40
Aroclor-1254 [2C]	11400		µg/kg dry	53.7		10400			9	40
Aroclor-1260	529	QM4	µg/kg dry	53.7		1280			83	40
Aroclor-1260 [2C]	442	QM4	µg/kg dry	53.7		1140			88	40
Aroclor-1262	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1268	BRL		µg/kg dry	53.7		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	53.7		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*48.9*		µg/kg dry		*53.7*		*91*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*47.8*		µg/kg dry		*53.7*		*89*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*71.2*		µg/kg dry		*53.7*		*133*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*50.2*		µg/kg dry		*53.7*		*94*	*30-150*		
Matrix Spike (1027273-MS1)			**Source: SB23033-21**		Prepared: 03-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	644		µg/kg dry	54.3	678	BRL	95	40-135		
Aroclor-1016 [2C]	578		µg/kg dry	54.3	678	BRL	85	40-135		
Aroclor-1260	1550		µg/kg dry	54.3	678	1280	40	40-135		
Aroclor-1260 [2C]	1480		µg/kg dry	54.3	678	1140	50	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*44.5*		µg/kg dry		*54.3*		*82*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*44.2*		µg/kg dry		*54.3*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*71.4*		µg/kg dry		*54.3*		*132*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*49.1*		µg/kg dry		*54.3*		*91*	*30-150*		
Matrix Spike Dup (1027273-MSD1)			**Source: SB23033-21**		Prepared: 03-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	667		µg/kg dry	57.9	724	BRL	92	40-135	3	30
Aroclor-1016 [2C]	634		µg/kg dry	57.9	724	BRL	88	40-135	3	30
Aroclor-1260	1740	QR5	µg/kg dry	57.9	724	1280	64	40-135	45	30
Aroclor-1260 [2C]	1520		µg/kg dry	57.9	724	1140	53	40-135	6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*49.5*		µg/kg dry		*57.9*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*46.6*		µg/kg dry		*57.9*		*80*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.4*		µg/kg dry		*57.9*		*144*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*51.3*		µg/kg dry		*57.9*		*88*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1027244 - General Preparation										
Duplicate (1027244-DUP1)			**Source: SB23033-16**		Prepared & Analyzed: 30-Dec-10					
% Solids	99.3		%			99.1			0.2	20
Batch 1027245 - General Preparation										
Duplicate (1027245-DUP1)			**Source: SB23033-36**		Prepared & Analyzed: 30-Dec-10					
% Solids	98.6		%			98.5			0.1	20

Notes and Definitions

QM4	Visual evaluation of the sample indicates the RPD is above the control limit due to a non-homogeneous sample matrix.
QR5	RPD out of acceptance range.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Hanibal C. Tayeh, Ph.D.
Kimberly Wisk
Nicole Leja

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Eli Whitney - Hamden, CT

Project Number: 180012.1000

Sampling Date(s):
12/28/2010 through 12/29/2010

Laboratory Sample ID(s):
SB23033-01 through SB23033-39

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the 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? ** Exceptions are defined by qualifiers*	Yes Yes	✓ No 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

Note: 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."

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 obtaining the information contained in this analytical report, such information is accurate and complete.

Hanibal C. Tayeh, Ph.D.
President/Laboratory Director
Date: 1/5/2011

SB 23033

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 4

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 1/5/11
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Malcolm Beeler / TRC
21 Griffin Road North
Windsor, CT 06095
Telephone #: 860-298-6223
Project Mgr. Malcolm Beeler

Invoice To: Rebecca Cutler
CT DPW
165 Capitol Avenue Rm 275
Hartford, CT 06106
P.O. No.: RQN:

Project No.: 180012.1000
Site Name: Eli Whitney
Location: Hamden State: CT
Sampler(s): MAB

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= Cool 11=

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= Brick X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540
23033-01	IE3-C1-24"	12/28/10	0815	G	Ti.		1			X
-02	IE3-C2-18"		0817				1			X
-03	IE3-C3-24"		0820				1			X
-04	IE3-C4-24"		0824				1			X
-05	IE3-C5-36"		0830				1			X
-06	IE3-C6-24"		0836				1			X
-07	IE3-C7-24"		0842				1			X
-08	IE3-B1-24"		0910		X2		1			X
-09	IE3-B2-12"		0912		X2		1			X
-10	IE3-B3-24"		0918		X1		1			X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Beeler	[signature]	12-30-10	9:10	4.8
[signature]	D. Wade	12/30/10	13:00	1.9

☐ EDD Format
☒ E-mail to mbeeler@trcsolutions.com

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

23033

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 4

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: See

Telephone #:

Project Mgr.

Invoice To: P. 1

P.O. No.: RQN:

Project No.:

Site Name:

Location: State:

Sampler(s):

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= cool 11=

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540
23033-11	IE3-B4-18"	12/28/10	0920	G	X1		1			X
-12	IE3-B5-24"	↓	0922	↓	↓		1			X
-13	IE3-B6-24"	↓	0930	↓	↓		1			X
-14	IE3-D1-24"	12/29/10	1010	↓	↓		1			X
-15	IE3-D2-18"	↓	1026	↓	↓		1			X
-16	IE3-D3-24"	↓	1030	↓	↓		1			X
-17	IE3-D4-36"	↓	1034	↓	↓		1			X
-18	IE3-D5-24"	↓	1030	↓	↓		1			X
-19	IE3-D6-24"	↓	1040	↓	↓		1			X
-20	IC4-D7-6"	↓	1110	↓	↓		1			X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Baker	[signature]	12-30-10	9:10	4.8
[signature]	D. Ucasl	12/30/10	13:00	1.9

☐ EDD Format
☒ E-mail to mbeeler@trcsolutions.com

☐ Ambient ☐ Iced ☑ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

✓ 23033

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 4

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: See D. 7

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.:

Site Name:

Location: State:

Sampler(s):

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= Cool 11=

List preservative code below: 0

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/3540						
23033-21	IC4-D8-Sill	12/29/10	1115	G	X1		1			X						
-22	IC4-D9-6"		1121				1			X						
-23	IC4-D10-6"		1125				1			X						
-24	IC4-D11-Sill		1127				1			X						
-25	IC4-D12-6"		1135				1			X						
-26	IC4-D13-6"		1137				1			X						
-27	IC4-D14-Sill		1139				1			X						
-28	IC4-D15-6"		1145				1			X						
-29	IC4-D16-6"		1150				1			X						
-30	IC4-D17-6"		1157				1			X						

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Fuhr	[signature]	12-30-10	9:10	4.8
[signature]	D. Leach	12/30/10	8:00	1.9

☐ EDD Format
☒ E-mail to mbecker@trcsolutions.com

☐ Ambient ☐ Iced ☑ Refrigerated ☐ Fridge temp ____°C ☐ Freezer temp ____°C

√ 23033

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 4 of 4

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 1/5/11
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- Samples disposed of after 60 days unless otherwise instructed.

Report To: See P. 1

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.:

Site Name:

Location: State:

Sampler(s):

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= cool 11=

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	8082/2540
23033-31	IDC4-D18-12"	12/29/10	1210	G	X1					X
-32	IDC4-D19-24"		1213							X
-33	IDC4-D20-12"		1222							X
-34	IDC4-D21-24"		1225							X
-35	IC4-B7-6"		1410							X
-36	IC4-B8-Sill		1415							X
-37	IC4-B9-6"		1430							X
-38	IC4-B10-6"		1433							X
-39	IC4-B11-6"		1440							X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Butler	[signature]	12-30-10	9:10	4.8
[signature]	Duash	12/30/10	13:00	1.9

☐ EDD Format
☒ E-mail to mbeeler@trcsolutions.com

☐ Ambient ☐ Iced ☑ Refrigerated ☐ Fridge temp ___°C ☐ Freezer temp ___°C

Report Date:
06-Jan-11 15:20

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Malcolm Beeler

Project: Whitney - Hamden, CT
Project #: 180012.1000.000

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB23139-01	IE3-C8-24"	Concrete	30-Dec-10 07:10	04-Jan-11 15:25
SB23139-02	IE3-C9-24"	Concrete	30-Dec-10 07:15	04-Jan-11 15:25
SB23139-03	E2-D18-6"	Brick	30-Dec-10 08:55	04-Jan-11 15:25
SB23139-04	E2-D19-12"	Brick	30-Dec-10 08:57	04-Jan-11 15:25
SB23139-05	E2-D20-12"	Brick	30-Dec-10 09:00	04-Jan-11 15:25
SB23139-06	E2-D21-6"	Brick	30-Dec-10 09:10	04-Jan-11 15:25
SB23139-07	E2-D22-12"	Brick	30-Dec-10 09:13	04-Jan-11 15:25
SB23139-08	E2-D23-12"	Brick	30-Dec-10 09:20	04-Jan-11 15:25
SB23139-09	E2-D24-12"	Brick	30-Dec-10 09:24	04-Jan-11 15:25
SB23139-10	E2-D25-12"	Brick	30-Dec-10 09:29	04-Jan-11 15:25
SB23139-11	E2-D26-12"	Brick	30-Dec-10 09:34	04-Jan-11 15:25
SB23139-12	E2-D27-12"	Brick	30-Dec-10 09:39	04-Jan-11 15:25
SB23139-13	E2-D28-12"	Brick	30-Dec-10 09:44	04-Jan-11 15:25
SB23139-14	E2-D29-12"	Brick	30-Dec-10 09:57	04-Jan-11 15:25
SB23139-15	E2-D30-12"	Brick	30-Dec-10 11:42	04-Jan-11 15:25
SB23139-16	E2-D31-6"	Brick	30-Dec-10 11:45	04-Jan-11 15:25
SB23139-17	E2-D32-12"	Brick	30-Dec-10 11:51	04-Jan-11 15:25
SB23139-18	E2-D33-6"	Brick	30-Dec-10 11:55	04-Jan-11 15:25
SB23139-19	E2-D34-12"	Brick	30-Dec-10 12:04	04-Jan-11 15:25
SB23139-20	E1-A1-12"	Brick	30-Dec-10 10:10	04-Jan-11 15:25
SB23139-21	E1-A2-6"	Brick	30-Dec-10 10:14	04-Jan-11 15:25
SB23139-22	E1-A3-12"	Brick	30-Dec-10 10:17	04-Jan-11 15:25
SB23139-23	E2-B12-12"	Brick	30-Dec-10 11:10	04-Jan-11 15:25
SB23139-24	E2-B13-12"	Brick	30-Dec-10 11:14	04-Jan-11 15:25
SB23139-25	E2-B14-12"	Brick	30-Dec-10 11:21	04-Jan-11 15:25
SB23139-26	E2-B15-12"	Brick	30-Dec-10 11:25	04-Jan-11 15:25
SB23139-27	E1-A5-12"	Brick	30-Dec-10 11:30	04-Jan-11 15:25
SB23139-28	E1-A4-12"	Brick	30-Dec-10 11:36	04-Jan-11 15:25

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 25 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 5.8 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 2.6 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C8-24" SB23139-01	180012.1000.000	Concrete	30-Dec-10 07:10	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.5	1	SW846 8082A	04-Jan-11	05-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,040		µg/kg dry	59.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*127*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100242	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C9-24" SB23139-02	180012.1000.000	Concrete	30-Dec-10 07:15	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.6	1	SW846 8082A	04-Jan-11	05-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	732		µg/kg dry	59.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	738		µg/kg dry	59.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*118*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*127*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*144*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100242	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D18-6" SB23139-03	180012.1000.000	Brick	30-Dec-10 08:55	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	70.8	1	SW846 8082A	04-Jan-11	05-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	70.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	70.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	70.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	70.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	70.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	70.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	70.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	70.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*85*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	92.0		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100242	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D19-12" SB23139-04	180012.1000.000	Brick	30-Dec-10 08:57	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	67.8	1	SW846 8082A	04-Jan-11	05-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	67.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	67.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	67.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	67.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	67.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	67.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	67.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	67.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*146*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	93.1		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D20-12" SB23139-05	180012.1000.000	Brick	30-Dec-10 09:00	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.0	1	SW846 8082A	04-Jan-11	05-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	780		µg/kg dry	60.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*117*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*112*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.8		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D21-6" SB23139-06	180012.1000.000	Brick	30-Dec-10 09:10	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.5	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	275		µg/kg dry	60.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*82*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*81*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*113*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D22-12" SB23139-07	180012.1000.000	Brick	30-Dec-10 09:13	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	66.4	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	83.0		µg/kg dry	66.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*126*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.6		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D23-12" SB23139-08	180012.1000.000	Brick	30-Dec-10 09:20	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	63.8	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	63.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*142*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*123*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.6		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D24-12" SB23139-09	180012.1000.000	Brick	30-Dec-10 09:24	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	52.9	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	52.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	52.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	52.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	52.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	107		µg/kg dry	52.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	52.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	52.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	52.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*137*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*114*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.6		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D25-12" SB23139-10	180012.1000.000	Brick	30-Dec-10 09:29	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	57.0	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	57.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	57.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	57.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	57.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	281		µg/kg dry	57.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	57.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	57.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	57.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*129*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.6		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D26-12" SB23139-11	180012.1000.000	Brick	30-Dec-10 09:34	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.2	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*136*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.8		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D27-12" SB23139-12	180012.1000.000	Brick	30-Dec-10 09:39	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	54.1	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	54.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	54.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	54.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	54.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	54.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	54.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	54.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	54.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*134*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D28-12" SB23139-13	180012.1000.000	Brick	30-Dec-10 09:44	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	64.1	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	146		µg/kg dry	64.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	88.1		µg/kg dry	64.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	64.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*136*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*104*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.9		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D29-12" SB23139-14	180012.1000.000	Brick	30-Dec-10 09:57	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.3	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	132		µg/kg dry	59.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*87*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*130*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.9		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D30-12" SB23139-15	180012.1000.000	Brick	30-Dec-10 11:42	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	55.3	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	55.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*132*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.8		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D31-6" SB23139-16	180012.1000.000	Brick	30-Dec-10 11:45	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	63.4	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	232		µg/kg dry	63.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	63.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*126*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.8		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D32-12" SB23139-17	180012.1000.000	Brick	30-Dec-10 11:51	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	52.8	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	52.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	52.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	52.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	52.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	214		µg/kg dry	52.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	52.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	52.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	52.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*136*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.9		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D33-6" SB23139-18	180012.1000.000	Brick	30-Dec-10 11:55	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.8	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,220		µg/kg dry	59.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*138*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*109*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.0		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-D34-12" SB23139-19	180012.1000.000	Brick	30-Dec-10 12:04	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	55.2	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	227		µg/kg dry	55.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	55.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*129*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-A1-12" SB23139-20	180012.1000.000	Brick	30-Dec-10 10:10	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	65.3	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100187	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	65.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-A2-6" SB23139-21	180012.1000.000	Brick	30-Dec-10 10:14	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	61.3	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100188	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*123*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.8		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-A3-12" SB23139-22	180012.1000.000	Brick	30-Dec-10 10:17	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	61.3	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100188	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	94.4		µg/kg dry	61.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	61.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*128*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-B12-12" SB23139-23	180012.1000.000	Brick	30-Dec-10 11:10	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.1	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100188	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	136		µg/kg dry	59.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*128*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*114*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100244	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-B13-12" SB23139-24	180012.1000.000	Brick	30-Dec-10 11:14	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	64.5	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100188	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	64.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	64.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	64.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	64.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	64.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	64.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	64.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	64.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*84*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*135*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*108*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.8		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100245	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-B14-12" SB23139-25	180012.1000.000	Brick	30-Dec-10 11:21	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	61.4	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100188	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	61.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	61.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	61.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	61.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	61.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	61.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	61.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	61.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*107*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.9		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100245	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-B15-12" SB23139-26	180012.1000.000	Brick	30-Dec-10 11:25	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.7	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100188	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	71.7		µg/kg dry	58.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*99*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*126*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*116*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100245	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-A5-12" SB23139-27	180012.1000.000	Brick	30-Dec-10 11:30	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.5	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100188	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	58.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	58.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*123*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*116*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.8		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100245	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-A4-12" SB23139-28	180012.1000.000	Brick	30-Dec-10 11:36	04-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	62.2	1	SW846 8082A	04-Jan-11	06-Jan-11	SM	1100188	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	299		µg/kg dry	62.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	62.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*104*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*142*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*118*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	05-Jan-11	05-Jan-11	BD	1100245	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1100187 - SW846 3540C										
Blank (1100187-BLK1)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	BRL		µg/kg wet	66.7						
Aroclor-1016 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1221	BRL		µg/kg wet	66.7						
Aroclor-1221 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1232	BRL		µg/kg wet	66.7						
Aroclor-1232 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1242	BRL		µg/kg wet	66.7						
Aroclor-1242 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1248	BRL		µg/kg wet	66.7						
Aroclor-1248 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1254	BRL		µg/kg wet	66.7						
Aroclor-1254 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1260	BRL		µg/kg wet	66.7						
Aroclor-1260 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1262	BRL		µg/kg wet	66.7						
Aroclor-1262 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1268	BRL		µg/kg wet	66.7						
Aroclor-1268 [2C]	BRL		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*61.3*		µg/kg wet		*66.7*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*64.3*		µg/kg wet		*66.7*		*97*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*84.0*		µg/kg wet		*66.7*		*126*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*77.3*		µg/kg wet		*66.7*		*116*	*30-150*		
Blank (1100187-BLK2)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	BRL		µg/kg wet	66.7						
Aroclor-1016 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1221	BRL		µg/kg wet	66.7						
Aroclor-1221 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1232	BRL		µg/kg wet	66.7						
Aroclor-1232 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1242	BRL		µg/kg wet	66.7						
Aroclor-1242 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1248	BRL		µg/kg wet	66.7						
Aroclor-1248 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1254	BRL		µg/kg wet	66.7						
Aroclor-1254 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1260	BRL		µg/kg wet	66.7						
Aroclor-1260 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1262	BRL		µg/kg wet	66.7						
Aroclor-1262 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1268	BRL		µg/kg wet	66.7						
Aroclor-1268 [2C]	BRL		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*59.7*		µg/kg wet		*66.7*		*89*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*57.3*		µg/kg wet		*66.7*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*79.3*		µg/kg wet		*66.7*		*119*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*70.7*		µg/kg wet		*66.7*		*106*	*30-150*		
LCS (1100187-BS1)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	756		µg/kg wet	66.7	833		91	50-140		
Aroclor-1016 [2C]	737		µg/kg wet	66.7	833		88	50-140		
Aroclor-1260	912		µg/kg wet	66.7	833		109	50-140		
Aroclor-1260 [2C]	946		µg/kg wet	66.7	833		113	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*64.0*		µg/kg wet		*66.7*		*96*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1100187 - SW846 3540C										
LCS (1100187-BS1)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*62.7*		µg/kg wet		*66.7*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*91.0*		µg/kg wet		*66.7*		*137*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*75.3*		µg/kg wet		*66.7*		*113*	*30-150*		
LCS (1100187-BS2)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	753		µg/kg wet	66.7	833		90	50-140		
Aroclor-1016 [2C]	709		µg/kg wet	66.7	833		85	50-140		
Aroclor-1260	881		µg/kg wet	66.7	833		106	50-140		
Aroclor-1260 [2C]	916		µg/kg wet	66.7	833		110	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*59.3*		µg/kg wet		*66.7*		*89*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*58.3*		µg/kg wet		*66.7*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*83.7*		µg/kg wet		*66.7*		*126*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*70.3*		µg/kg wet		*66.7*		*106*	*30-150*		
LCS Dup (1100187-BSD1)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	793		µg/kg wet	66.7	833		95	50-140	5	30
Aroclor-1016 [2C]	736		µg/kg wet	66.7	833		88	50-140	0.2	30
Aroclor-1260	942		µg/kg wet	66.7	833		113	50-140	3	30
Aroclor-1260 [2C]	951		µg/kg wet	66.7	833		114	50-140	0.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*64.3*		µg/kg wet		*66.7*		*97*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*62.3*		µg/kg wet		*66.7*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*96.7*		µg/kg wet		*66.7*		*145*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*75.0*		µg/kg wet		*66.7*		*113*	*30-150*		
LCS Dup (1100187-BSD2)					Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	767		µg/kg wet	66.7	833		92	50-140	2	30
Aroclor-1016 [2C]	732		µg/kg wet	66.7	833		88	50-140	3	30
Aroclor-1260	867		µg/kg wet	66.7	833		104	50-140	2	30
Aroclor-1260 [2C]	945		µg/kg wet	66.7	833		113	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*61.7*		µg/kg wet		*66.7*		*92*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*62.7*		µg/kg wet		*66.7*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*84.3*		µg/kg wet		*66.7*		*127*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*71.7*		µg/kg wet		*66.7*		*108*	*30-150*		
Duplicate (1100187-DUP1)			**Source: SB23139-01**		Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1221	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1232	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1242	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1248	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1254	845		µg/kg dry	62.1		916			8	40
Aroclor-1254 [2C]	914		µg/kg dry	62.1		1040			13	40
Aroclor-1260	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1262	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1268	BRL		µg/kg dry	62.1		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	62.1		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.8*		µg/kg dry		*62.1*		*92*	*30-150*		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1100187 - SW846 3540C										
Duplicate (1100187-DUP1)			**Source: SB23139-01**		Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*51.3*		µg/kg dry		*62.1*		*82*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*81.4*		µg/kg dry		*62.1*		*131*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*66.8*		µg/kg dry		*62.1*		*108*	*30-150*		
Matrix Spike (1100187-MS1)			**Source: SB23139-01**		Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	643		µg/kg dry	59.0	738	BRL	87	40-135		
Aroclor-1016 [2C]	629		µg/kg dry	59.0	738	BRL	85	40-135		
Aroclor-1260	671		µg/kg dry	59.0	738	BRL	91	40-135		
Aroclor-1260 [2C]	687		µg/kg dry	59.0	738	BRL	93	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*46.9*		µg/kg dry		*59.0*		*80*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*43.1*		µg/kg dry		*59.0*		*73*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*74.3*		µg/kg dry		*59.0*		*126*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*56.9*		µg/kg dry		*59.0*		*97*	*30-150*		
Matrix Spike Dup (1100187-MSD1)			**Source: SB23139-01**		Prepared: 04-Jan-11 Analyzed: 05-Jan-11					
Aroclor-1016	557		µg/kg dry	53.8	672	BRL	83	40-135	5	30
Aroclor-1016 [2C]	561		µg/kg dry	53.8	672	BRL	83	40-135	2	30
Aroclor-1260	530		µg/kg dry	53.8	672	BRL	79	40-135	14	30
Aroclor-1260 [2C]	552		µg/kg dry	53.8	672	BRL	82	40-135	13	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*40.9*		µg/kg dry		*53.8*		*76*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*38.4*		µg/kg dry		*53.8*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*56.4*		µg/kg dry		*53.8*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*46.8*		µg/kg dry		*53.8*		*87*	*30-150*		
Batch 1100188 - SW846 3540C										
Blank (1100188-BLK1)					Prepared: 04-Jan-11 Analyzed: 06-Jan-11					
Aroclor-1016	BRL		µg/kg wet	66.7						
Aroclor-1016 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1221	BRL		µg/kg wet	66.7						
Aroclor-1221 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1232	BRL		µg/kg wet	66.7						
Aroclor-1232 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1242	BRL		µg/kg wet	66.7						
Aroclor-1242 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1248	BRL		µg/kg wet	66.7						
Aroclor-1248 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1254	BRL		µg/kg wet	66.7						
Aroclor-1254 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1260	BRL		µg/kg wet	66.7						
Aroclor-1260 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1262	BRL		µg/kg wet	66.7						
Aroclor-1262 [2C]	BRL		µg/kg wet	66.7						
Aroclor-1268	BRL		µg/kg wet	66.7						
Aroclor-1268 [2C]	BRL		µg/kg wet	66.7						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*60.7*		µg/kg wet		*66.7*		*91*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*57.3*		µg/kg wet		*66.7*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*85.3*		µg/kg wet		*66.7*		*128*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*70.3*		µg/kg wet		*66.7*		*106*	*30-150*		
LCS (1100188-BS1)					Prepared: 04-Jan-11 Analyzed: 06-Jan-11					
Aroclor-1016	749		µg/kg wet	66.7	833		90	50-140		
Aroclor-1016 [2C]	733		µg/kg wet	66.7	833		88	50-140		
Aroclor-1260	892		µg/kg wet	66.7	833		107	50-140		
Aroclor-1260 [2C]	904		µg/kg wet	66.7	833		109	50-140		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1100188 - SW846 3540C										
LCS (1100188-BS1)					Prepared: 04-Jan-11 Analyzed: 06-Jan-11					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*61.0*		µg/kg wet		*66.7*		*91*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*59.0*		µg/kg wet		*66.7*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*88.0*		µg/kg wet		*66.7*		*132*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*72.0*		µg/kg wet		*66.7*		*108*	*30-150*		
LCS (1100188-BS2)					Prepared: 04-Jan-11 Analyzed: 06-Jan-11					
Aroclor-1016	760		µg/kg wet	66.7	833		91	50-140		
Aroclor-1016 [2C]	704		µg/kg wet	66.7	833		85	50-140		
Aroclor-1260	797		µg/kg wet	66.7	833		96	50-140		
Aroclor-1260 [2C]	843		µg/kg wet	66.7	833		101	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*54.7*		µg/kg wet		*66.7*		*82*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*54.3*		µg/kg wet		*66.7*		*81*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*74.0*		µg/kg wet		*66.7*		*111*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*63.3*		µg/kg wet		*66.7*		*95*	*30-150*		
LCS Dup (1100188-BSD1)					Prepared: 04-Jan-11 Analyzed: 06-Jan-11					
Aroclor-1016	764		µg/kg wet	66.7	833		92	50-140	2	30
Aroclor-1016 [2C]	682		µg/kg wet	66.7	833		82	50-140	7	30
Aroclor-1260	870		µg/kg wet	66.7	833		104	50-140	2	30
Aroclor-1260 [2C]	829		µg/kg wet	66.7	833		99	50-140	9	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*58.3*		µg/kg wet		*66.7*		*87*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*56.3*		µg/kg wet		*66.7*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*79.3*		µg/kg wet		*66.7*		*119*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*66.7*		µg/kg wet		*66.7*		*100*	*30-150*		
LCS Dup (1100188-BSD2)					Prepared: 04-Jan-11 Analyzed: 06-Jan-11					
Aroclor-1016	768		µg/kg wet	66.7	833		92	50-140	1	30
Aroclor-1016 [2C]	709		µg/kg wet	66.7	833		85	50-140	0.7	30
Aroclor-1260	855		µg/kg wet	66.7	833		103	50-140	7	30
Aroclor-1260 [2C]	911		µg/kg wet	66.7	833		109	50-140	8	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg wet		*66.7*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*57.7*		µg/kg wet		*66.7*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*77.7*		µg/kg wet		*66.7*		*117*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*66.3*		µg/kg wet		*66.7*		*99*	*30-150*		
Duplicate (1100188-DUP1)			**Source: SB23139-21**		Prepared: 04-Jan-11 Analyzed: 06-Jan-11					
Aroclor-1016	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1221	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1232	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1242	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1248	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1254	60.7	J	µg/kg dry	61.0		53.3			13	40
Aroclor-1254 [2C]	59.7	J	µg/kg dry	61.0		47.8			22	40
Aroclor-1260	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1262	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1268	BRL		µg/kg dry	61.0		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	61.0		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1100188 - SW846 3540C										
Duplicate (1100188-DUP1)			**Source: SB23139-21**		Prepared: 04-Jan-11 Analyzed: 06-Jan-11					
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.4*		µg/kg dry		*61.0*		*93*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.3*		µg/kg dry		*61.0*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*77.4*		µg/kg dry		*61.0*		*127*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*63.7*		µg/kg dry		*61.0*		*105*	*30-150*		
Matrix Spike (1100188-MS1)			**Source: SB23139-21**		Prepared: 04-Jan-11 Analyzed: 06-Jan-11					
Aroclor-1016	619		µg/kg dry	55.2	690	BRL	90	40-135		
Aroclor-1016 [2C]	551		µg/kg dry	55.2	690	BRL	80	40-135		
Aroclor-1260	709		µg/kg dry	55.2	690	BRL	103	40-135		
Aroclor-1260 [2C]	731		µg/kg dry	55.2	690	BRL	106	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*47.4*		µg/kg dry		*55.2*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*46.3*		µg/kg dry		*55.2*		*84*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*70.9*		µg/kg dry		*55.2*		*129*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*59.0*		µg/kg dry		*55.2*		*107*	*30-150*		
Matrix Spike Dup (1100188-MSD1)			**Source: SB23139-21**		Prepared: 04-Jan-11 Analyzed: 06-Jan-11					
Aroclor-1016	585		µg/kg dry	61.0	762	BRL	77	40-135	16	30
Aroclor-1016 [2C]	584		µg/kg dry	61.0	762	BRL	77	40-135	4	30
Aroclor-1260	788		µg/kg dry	61.0	762	BRL	103	40-135	0.7	30
Aroclor-1260 [2C]	824		µg/kg dry	61.0	762	BRL	108	40-135	2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*46.6*		µg/kg dry		*61.0*		*76*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*46.0*		µg/kg dry		*61.0*		*76*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*73.5*		µg/kg dry		*61.0*		*121*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*66.4*		µg/kg dry		*61.0*		*109*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1100244 - General Preparation										
Duplicate (1100244-DUP1)			**Source: SB23139-04**		Prepared & Analyzed: 05-Jan-11					
% Solids	93.0		%			93.1			0.1	20
Batch 1100245 - General Preparation										
Duplicate (1100245-DUP1)			**Source: SB23139-24**		Prepared & Analyzed: 05-Jan-11					
% Solids	99.8		%			99.8			0.0005	20

Notes and Definitions

BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference
J	Detected but below the Reporting Limit; therefore, result is an estimated concentration (CLP J-Flag).

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Hanibal C. Tayeh, Ph.D.
Nicole Leja

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Whitney - Hamden, CT

Project Number: 180012.1000.000

Sampling Date(s):
12/30/2010

Laboratory Sample ID(s):
SB23139-01 through SB23139-28

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the 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? ** Exceptions are defined by qualifiers*	Yes Yes	✓ No 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

Note: 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."

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 obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja
Laboratory Director
Date: 1/6/2011

SB23139 ✓ By

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 1/6/11
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Malcolm Beeler / TRC
21 Griffin Road North
Windsor, CT 06095
Telephone #: 860-298-6223
Project Mgr.

Invoice To: Rebecca Cutler / DPW
P.O. No.: 9672 RQN:

Project No.: 180012.1000.000
Site Name: Whitney
Location: Hamden State: CT
Sampler(s): MAB

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= Cool 11=

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= Brick X3=

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass 4oz; # of Clear Glass; # of Plastic

Analyses: 8082 / 3540

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass 4oz	# of Clear Glass	# of Plastic	8082 / 3540
23139-01	JE3-C8-24"	12/30/10	0710	G	X1		1			X
02	JE3-C9-24"		0715		X1					X
03	E2-D18-6"		0855		X2					X
04	E2-D19-12"		0857							X
05	E2-D20-12"		0900							X
06	E2-D21-6"		0910							X
07	E2-D22-12"		0913							X
08	E2-D23-12"		0920							X
09	E2-D24-12"		0924							X
10	E2-D25-12"		0929							X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Beeler		1-4-11	0937	5.8
	D. Nash	1/4/11	15:25	2.6

☐ EDD Format
☒ E-mail to mbeeler@trcsolutions.com

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp 3.3 °C ☐ Freezer temp ____ °C

SB 23139 Bu ✓

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 1/6/11
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: See Page

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.:

Site Name:

Location: State:

Sampler(s):

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= Cool 11=

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= Brick X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☐ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass 4oz	# of Clear Glass	# of Plastic	8082/3540
23139-11	EZ-D26-12"	12/30/10	0934	G	X2		1			X
12	EZ-D27-12"		0939							X
13	EZ-D28-12"		0944							X
14	EZ-D29-12"		0957							X
15	EZ-D30-12"		1142							X
16	EZ-D31-6"		1145							X
17	EZ-D32-12"		1151							X
18	EZ-D33-6"		1155							X
19	EZ-D34-12"		1204							X
	~~EZ-D35-6"~~		~~1210~~							~~X~~

MAB

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Fuller	[illegible]	1-4-11	0937	5.8
[illegible]	D. Wood	1/4/11	15:25	2.6

☐ EDD Format
☒ E-mail to mbeeler@trcsolutions.com

☐ Ambient ☐ Iced ☐ Refrigerated ☒ Fridge temp 3.3 °C ☐ Freezer temp ___ °C

SB 23139 Fm ✓

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 3 of 3

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 1/6/11
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Gee P.

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.:

Site Name:

Location: State:

Sampler(s):

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= cool 11=

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= X2= Brick X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass 4oz	# of Clear Glass	# of Plastic	8082/3540
23139-20	E1-A1-12"	12/20/10	1010	G	X2		1			X
21	E1-A2-6"	↓	1014	↓	↓		↓			X
22	E1-A3-12"		1017							X
23	E2-B12-12"		1110							X
24	E2-B13-12"		1114							X
25	E2-B14-12"		1121							X
26	E2-B15-12"		1125							X
27	E1-A5-12"		1130							X
28	E1-A4-12"	↓	1136	↓	↓		↓			X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm G. Butler	[signature]	1-4-11	0937	5.8
[signature]	D. Nash	1/4/10	15:25	2.6

☐ EDD Format
☒ E-mail to mbeaver@trcsolutions.com

☐ Ambient ☐ Iced ☑ Refrigerated ☑ Fridge temp 3.3°C ☐ Freezer temp ___ °C

COMPLETE ENVIRONMENTAL TESTING, INC.

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet@cetlabs.com

January 19, 2010

Mr. Erik Plimpton
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Project: Eli Whitney Tech, Hamden
Project #: 173781.0002.0000
CET #: 10010044
Solid: C1; C10; C11; C2; C4; C5; C6; C7; C8; C9; E1; E2; E3; E4; E5; E7; G1; G2; G3; G4; G5; G6; G7; G8; IDC1; IDC2; IG1; IG2; IG3
Collection Date(s): 12/28/2009; 12/29/2009

PREP ANALYSIS:

Soxhlet Extraction [EPA 3540C]

Client ID	C1	G1	G2	E1	C2
CET ID	AE28987	AE28988	AE28989	AE28990	AE28991
Date Analyzed	1/7/2010	1/7/2010	1/7/2010	1/7/2010	1/7/2010

Soxhlet Extraction [EPA 3540C]

Client ID	E2	E3	G3	E4	C4
CET ID	AE28992	AE28993	AE28994	AE28995	AE28996
Date Analyzed	1/7/2010	1/7/2010	1/7/2010	1/7/2010	1/7/2010

Soxhlet Extraction [EPA 3540C]

Client ID	E5	C5	G4	G5	C6
CET ID	AE28997	AE28998	AE28999	AE29000	AE29001
Date Analyzed	1/7/2010	1/8/2010	1/8/2010	1/8/2010	1/8/2010

NOTES:
ND is Not Detected.

Soxhlet Extraction [EPA 3540C]

Client ID	E7	G6	C7	C8	C9
CET ID	AE29002	AE29003	AE29004	AE29005	AE29006
Date Analyzed	1/8/2010	1/8/2010	1/8/2010	1/8/2010	1/8/2010

Soxhlet Extraction [EPA 3540C]

Client ID	C10	C11	G7	G8	IG1
CET ID	AE29007	AE29008	AE29009	AE29010	AE29011
Date Analyzed	1/8/2010	1/8/2010	1/9/2010	1/9/2010	1/9/2010

Soxhlet Extraction [EPA 3540C]

Client ID	IG2	IG3	IDC1	IDC2
CET ID	AE29012	AE29013	AE29014	AE29015
Date Analyzed	1/9/2010	1/9/2010	1/9/2010	1/9/2010

ANALYSIS:

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	C1	G1	G2	E1	C2
CET ID	AE28987	AE28988	AE28989	AE28990	AE28991
Date Analyzed	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010
Dilution	2.0	2.0	4.0	2000.0	2000.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 1.0	ND < 500	ND < 500
PCB-1221	ND < 0.50	ND < 0.50	ND < 1.0	ND < 500	ND < 500
PCB-1232	ND < 0.50	ND < 0.50	ND < 1.0	ND < 500	ND < 500
PCB-1242	ND < 0.50	ND < 0.50	ND < 1.0	ND < 500	ND < 500
PCB-1248	ND < 0.50	ND < 0.50	ND < 1.0	ND < 500	ND < 500
PCB-1254	ND < 0.50	ND < 0.50	3.9	85000E	55000E
PCB-1260	ND < 0.50	ND < 0.50	ND < 1.0	ND < 500	ND < 500
TCMX (Surr 1)	83	92	89	+	+
DCB (Surr 2)	97	95	83	+	+

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	E2	E3	G3	E4	C4
CET ID	AE28992	AE28993	AE28994	AE28995	AE28996
Date Analyzed	1/13/2010	1/13/2010	1/16/2010	1/16/2010	1/16/2010
Dilution	2000.0	2.0	2.0	2.0	2.0
PCB-1016	ND < 500	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1221	ND < 500	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1232	ND < 500	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 500	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1248	ND < 500	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1254	12000E	3.7	0.52	ND < 0.50	ND < 0.50
PCB-1260	ND < 500	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
TCMX (Surr 1)	+	42	49	105	25
DCB (Surr 2)	+	46	53	35	29

Notes:
ND is Not Detected.

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	E5	C5	G4	G5	C6
CET ID	AE28997	AE28998	AE28999	AE29000	AE29001
Date Analyzed	1/16/2010	1/16/2010	1/16/2010	1/16/2010	1/16/2010
Dilution	2.0	2.0	500.0	2.0	2.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 125	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 125	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 125	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 125	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 125	ND < 0.50	ND < 0.50
PCB-1254	ND < 0.50	1.1	820	0.88	ND < 0.50
PCB-1260	ND < 0.50	ND < 0.50	ND < 125	ND < 0.50	ND < 0.50
TCMX (Surr 1)	70	81	+	49	48
DCB (Surr 2)	61	84	+	50	48

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	E7	G6	C7	C8	C9
CET ID	AE29002	AE29003	AE29004	AE29005	AE29006
Date Analyzed	1/16/2010	1/16/2010	1/17/2010	1/17/2010	1/18/2010
Dilution	2.0	2.0	2.0	2.0	10.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 2.5
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 2.5
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 2.5
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 2.5
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 2.5
PCB-1254	ND < 0.50	ND < 0.50	ND < 0.50	2.2	11
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 2.5
TCMX (Surr 1)	73	100	23	63	71
DCB (Surr 2)	69	70	25	60	95

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	C10	C11	G7	G8	IG1
CET ID	AE29007	AE29008	AE29009	AE29010	AE29011
Date Analyzed	1/17/2010	1/17/2010	1/16/2010	1/16/2010	1/16/2010
Dilution	2.0	2.0	100.0	2.0	4.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 25	ND < 0.50	ND < 1.0
PCB-1221	ND < 0.50	ND < 0.50	ND < 25	ND < 0.50	ND < 1.0
PCB-1232	ND < 0.50	ND < 0.50	ND < 25	ND < 0.50	ND < 1.0
PCB-1242	ND < 0.50	ND < 0.50	ND < 25	ND < 0.50	ND < 1.0
PCB-1248	ND < 0.50	ND < 0.50	ND < 25	ND < 0.50	ND < 1.0
PCB-1254	0.66	0.72	140	ND < 0.50	1.3
PCB-1260	ND < 0.50	ND < 0.50	ND < 25	ND < 0.50	ND < 1.0
TCMX (Surr 1)	48	44	+	83	92
DCB (Surr 2)	42	42	+	69	95

Notes:
ND is Not Detected.

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	IG2	IG3	IDC1	IDC2
CET ID	AE29012	AE29013	AE29014	AE29015
Date Analyzed	1/16/2010	1/16/2010	1/16/2010	1/16/2010
Dilution	2.0	4.0	2.0	2.0
PCB-1016	ND < 0.50	ND < 1.0	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 1.0	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 1.0	ND < 0.50	ND < 0.50
PCB-1242	0.74	ND < 1.0	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 1.0	ND < 0.50	ND < 0.50
PCB-1254	1.1	2.0	ND < 0.50	ND < 0.50
PCB-1260	ND < 0.50	ND < 1.0	ND < 0.50	ND < 0.50
TCMX (Surr 1)	83	88	81	84
DCB (Surr 2)	68	96	78	85

+ Surrogate diluted out.

Assumed 100% total solids for all samples.

Sincerely,

David Ditta
Laboratory Director

Notes:
ND is Not Detected.

COMPLETE ENVIRONMENTAL TESTING, INC.

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet@cetlabs.com

January 22, 2010

Mr. Erik Plimpton
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Project: Eli Whitney Tech, Hamden
Project #: 173781.0002.0000
CET #: 10010045
Solid: IC1; IC2; IC3; IC4; IC5; IC6; IDC3; IDC4; IDC5; IDC6; IE1; IE2; IE3; IE4; IG0; IG10; IG11; IG12; IG13; IG4; IG5; IG6; IG7; IG8
Collection Date(s): 12/29/2009

PREP ANALYSIS:

Soxhlet Extraction [EPA 3540C]

Client ID	IG4	IE1	IC1	IE2	IC2
CET ID	AE29016	AE29017	AE29018	AE29019	AE29020
Date Analyzed	1/9/2010	1/9/2010	1/9/2010	1/9/2010	1/9/2010

Soxhlet Extraction [EPA 3540C]

Client ID	IC3	IG6	IDC3	IDC4	IC4
CET ID	AE29021	AE29022	AE29023	AE29024	AE29025
Date Analyzed	1/9/2010	1/9/2010	1/9/2010	1/9/2010	1/9/2010

Soxhlet Extraction [EPA 3540C]

Client ID	IG7	IE3	IC5	IG8	IG0
CET ID	AE29026	AE29027	AE29028	AE29029	AE29030
Date Analyzed	1/9/2010	1/16/2010	1/10/2010	1/10/2010	1/10/2010

Soxhlet Extraction [EPA 3540C]

Client ID	IDC5	IG10	IC6	IDC6	IG11
CET ID	AE29031	AE29032	AE29033	AE29034	AE29035
Date Analyzed	1/10/2010	1/10/2010	1/10/2010	1/10/2010	1/12/2010

NOTES:
ND is Not Detected.

Soxhlet Extraction [EPA 3540C]

Client ID	IG12	IG13	IE4	IG5
CET ID	AE29036	AE29037	AE29038	AE29082
Date Analyzed	1/12/2010	1/12/2010	1/12/2010	1/12/2010

ANALYSIS:

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	IG4	IE1	IC1	IE2	IC2
CET ID	AE29016	AE29017	AE29018	AE29019	AE29020
Date Analyzed	1/16/2010	1/16/2010	1/18/2010	1/15/2010	1/15/2010
Dilution	100.0	2.0	10.0	2.0	2.0
PCB-1016	ND < 25	ND < 0.50	ND < 2.5	ND < 0.50	ND < 0.50
PCB-1221	ND < 25	ND < 0.50	ND < 2.5	ND < 0.50	ND < 0.50
PCB-1232	ND < 25	ND < 0.50	ND < 2.5	ND < 0.50	ND < 0.50
PCB-1242	ND < 25	0.67	ND < 2.5	1.0	ND < 0.50
PCB-1248	ND < 25	ND < 0.50	ND < 2.5	ND < 0.50	ND < 0.50
PCB-1254	48	ND < 0.50	6.3	1.8	1.2
PCB-1260	ND < 25	ND < 0.50	ND < 2.5	ND < 0.50	ND < 0.50
TCMX (Surr 1)	+	83	23	88	93
DCB (Surr 2)	+	85	41	85	83

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	IC3	IG6	IDC3	IDC4	IC4
CET ID	AE29021	AE29022	AE29023	AE29024	AE29025
Date Analyzed	1/15/2010	1/15/2010	1/15/2010	1/15/2010	1/16/2010
Dilution	2.0	2.0	2.0	20000.0	20000.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5000	ND < 5000
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5000	ND < 5000
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5000	ND < 5000
PCB-1242	0.64	0.82	ND < 0.50	ND < 5000	ND < 5000
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5000	ND < 5000
PCB-1254	3.3	ND < 0.50	ND < 0.50	43000E	53000E
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5000	ND < 5000
TCMX (Surr 1)	60	73	65	+	+
DCB (Surr 2)	59	74	60	+	+

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	IG7	IE3	IC5	IG8	IG0
CET ID	AE29026	AE29027	AE29028	AE29029	AE29030
Date Analyzed	1/16/2010	1/22/2010	1/16/2010	1/16/2010	1/17/2010
Dilution	2000.0	40000.0	20000.0	1000.0	2.0
PCB-1016	ND < 500	ND < 10000	ND < 5000	ND < 250	ND < 0.50
PCB-1221	ND < 500	ND < 10000	ND < 5000	ND < 250	ND < 0.50
PCB-1232	ND < 500	ND < 10000	ND < 5000	ND < 250	ND < 0.50
PCB-1242	ND < 500	ND < 10000	ND < 5000	ND < 250	ND < 0.50

Notes:
ND is Not Detected.

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	IG7	IE3	IC5	IG8	IG0
PCB-1248	ND < 500	ND < 10000	ND < 5000	ND < 250	ND < 0.50
PCB-1254	3300	110000	54000E	1900E	0.98
PCB-1260	ND < 500	ND < 10000	ND < 5000	ND < 250	ND < 0.50
TCMX (Surr 1)	+	0.00	+	+	79
DCB (Surr 2)	+	0.00	+	+	72

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	IDC5	IG10	IC6	IDC6	IG11
CET ID	AE29031	AE29032	AE29033	AE29034	AE29035
Date Analyzed	1/17/2010	1/17/2010	1/17/2010	1/17/2010	1/19/2010
Dilution	2.0	2.0	10.0	2.0	2.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 2.5	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 2.5	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 2.5	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 2.5	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 2.5	ND < 0.50	ND < 0.50
PCB-1254	0.55	ND < 0.50	3.2	0.61	2.0
PCB-1260	ND < 0.50	ND < 0.50	ND < 2.5	ND < 0.50	ND < 0.50
TCMX (Surr 1)	34	46	+	57	69
DCB (Surr 2)	36	40	+	46	58

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	IG12	IG13	IE4	IG5
CET ID	AE29036	AE29037	AE29038	AE29082
Date Analyzed	1/19/2010	1/19/2010	1/19/2010	1/19/2010
Dilution	2.0	2.0	2.0	2.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	1.6	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1254	1.3	ND < 0.50	2.6	2.3
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
TCMX (Surr 1)	71	58	57	102
DCB (Surr 2)	60	45	69	58

+Surrogate diluted out.

Assumed 100% Total Solids for all samples.

Sincerely,

David Ditta
Laboratory Director

Notes:
ND is Not Detected.

[redacted]

TRC
21 GRIFFIN RD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6399

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME
173781.0002.0000	DPW: Eli Whitney Tech, Hamden, CT

INSPECTOR: (SIGNATURE)	(PRINTED)
	Jennifer Peshka

PARAMETERS

TURNAROUND TIME

PLM:		24hr		48hr		3day		5day
TEM:		24hr		48hr		3day		5day

TEMP N 21.5°

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	MATERIAL	EPA 8082 (3540)					
C1	12/28/09			X	Exterior window caulk grey over beige	X					
G1	12/28/09			X	Exterior grey window glaze	X					
G2	12/28/09			X	Exterior white window glaze	X					
E1	12/28/09			X	Exterior expansion joint caulk grey rubber over foam	X					
C2	12/28/09			X	Exterior light grey rubber window caulk	X					
E2	12/28/09			X	Exterior dark grey rubber	X					
E3	12/28/09			X	Exterior white expansion joint caulk	X					
G3	12/28/09			X	Exterior white rubbery glazing	X					
E4	12/28/09			X	Exterior white over beige expansion joint caulk	X					
C4	12/28/09			X	Exterior dark grey hard caulk around windows	X					

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	1/4/10	1-5-10		1-5-10	R Blake Jr
(Printed) Jennifer Peshka	Time:	(Printed) 1300 Robert Perchanok	(Printed) Robert Perchanok	Time: 1600	(Printed) R Blake Jr

Remarks: **There is no samples#C3 or E6.

TRC
21 GRIFFIN RD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6399

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME							
173781.0002.0000	DPW: Eli Whitney Tech, Hamden, CT		PLM:		24hr		48hr		3day		5day
			TEM:		24hr		48hr		3day		5day

INSPECTOR: (SIGNATURE) (PRINTED) Jennifer Peshka

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	MATERIAL	EPA 8082 (3540)					
											TEMP N 21.5°
E5	12/28/09			X	Exterior white gritty caulk b/w brick walls	X					
C5	12/28/09			X	Exterior white brittle caulk around air vents	X					
G4	12/28/09			X	Exterior thin white window glazing	X					
G5	12/28/09			X	Exterior black window glazing on garage bay doors	X					
C6	12/28/09			X	Exterior soft white on yellow caulk around doors	X					
E7	12/28/09			X	Exterior white soft pliable expansion joint caulk	X					
G6	12/28/09			X	Exterior grey pliable window glazing	X					
C7	12/28/09			X	Exterior hard grey window caulk	X					
C8	12/28/09			X	Exterior white brittle caulk around door	X					

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	1/4/10	1-5-10		1-5-10	R Blake J.
(Printed) Jennifer Peshka	Time:	(Printed) Robert Pergamene 1500	(Printed) Robert Pergamene	Time: 1600	(Printed) R Blake J.

Remarks: **There is no samples#C3 or E6.

[redacted]

TRC

21 GRIFFIN RD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6399

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME							
173781.0002.0000	DPW: Eli Whitney Tech, Hamden, CT		PLM:		24hr		48hr		3day		5day
			TEM:		24hr		48hr		3day		5day
INSPECTOR: (SIGNATURE)	(PRINTED) Jennifer Peshka									

TEMP N 21.5°

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	MATERIAL	EPA 8082 (3540)					
C9	12/28/09			X	Exterior brown hard caulk on air vents	X					
C10	12/28/09			X	Exterior grey pliable window caulk	X					
C11	12/28/09			X	Exterior dark brown pliable door caulk	X					
G7	12/28/09			X	Exterior thick grey window glazing	X					
G8	12/28/09			X	Exterior black sticky window glazing	X					
IG1	12/29/09			X	Grey brittle window glazing	X					
IG2	12/29/09			X	Black glazing on interior window wall panels	X					
IG3	12/29/09			X	White glazing on replacement windows	X					
IDC1	12/29/09			X	Hard tan door caulk	X					
IDC2	12/29/09			X	White caulk around interior doors	X					

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	1/4/10	1300 1-5-10		1-5-10	R Blake J.
(Printed) Jennifer Peshka	Time:	(Printed) Robert Perkins	(Printed) Robert Perkins	Time: 1600	(Printed) R Blake J.

Remarks: **There is no samples#C3 or E6.

[redacted]

TRC
21 GRIFFIN RD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6399

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME
173781.0002.0000	DPW: Eli Whitney Tech, Hamden, CT		PLM: 24hr 48hr 3day 5day TEM: 24hr 48hr 3day 5day
INSPECTOR: (SIGNATURE)	(PRINTED) Jennifer Peshka		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	MATERIAL	EPA 8082 (3540)					
											TEMP N 21.5°
IG4	12/29/09			X	White glazing on replacement window	X					
IE1	12/29/09			X	White expansion joint caulk	X					
IC1	12/29/09			X	Window/wall caulk in bathroom	X					
IE2	12/29/09			X	White/grey expansion joint caulk	X					
IG5	12/29/09			X	Grey sticky window glazing	X					
IC2	12/29/09			X	Hard grey caulk around A/C unit	X					
IC3	12/29/09			X	Beige rubbery wall caulk	X					
IG6	12/29/09			X	Hard grey window glazing	X					
IDC3	12/29/09			X	White pliable door caulk	X					
IDC4	12/29/09			X	Grey pliable door caulk	X					
IC4	12/29/09			X	Grey rubbery along window & wall	X					

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	1/4/10	1-5-10		1-5-10	R Blake J.
(Printed) Jennifer Peshka	Time:	(Printed) Robert Peranzo 1500	(Printed) Robert Peranzo 1600	Time:	(Printed) R Blake J.

Remarks: **There is no samples#C3 or E6.

[redacted]

TRC
21 GRIFFIN RD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6399

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME
173781.0002.0000	DPW: Eli Whitney Tech, Hamden, CT

TURNAROUND TIME								
PLM:		24hr		48hr		3day		5day
TEM:		24hr		48hr		3day		5day

INSPECTOR: (SIGNATURE)

(PRINTED) Jennifer Peshka

TEMP N 21.5°C

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	MATERIAL	EPA 8082 (3540)					
IG7	12/29/09			X	Dark brown hard glazing on interior window panel	X					
IE3	12/29/09			X	Off white expansion joint caulk	X					
IC5	12/29/09			X	Dark brown rubbery wall caulk	X					
IG8	12/29/09			X	Window wall glazing	X					
IG9	12/29/09			X	Door window glazing	X					
IDC5	12/29/09			X	Tan rubbery door caulk	X					
IG10	12/29/09			X	White pliable glazing (patch)	X					
IC6	12/29/09			X	Brown hard window wall caulk	X					
IDC6	12/29/09			X	White pliable door caulk	X					
IG11	12/29/09			X	Thick grey window glazing	X					
IG12	12/29/09			X	Hard grey/green window glazing	X					

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	1/4/10	1-5-10		1-5-10	K Blaka J.
(Printed) Jennifer Peshka	Time:	(Printed) Robert Pergament 1500	(Printed) Robert Pergament	Time: 1600	(Printed) K Blaka J.

Remarks: **There is no samples#C3 or E6.

TRC
21 GRIFFIN RD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6399

CHAIN OF CUSTODY

LAB ID #.

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME							
173781.0002.0000	DPW: Eli Whitney Tech, Hamden, CT		PLM:		24hr		48hr		3day		5day
			TEM:		24hr		48hr		3day		5day

INSPECTOR: (SIGNATURE) (PRINTED) Jennifer Peshka

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	MATERIAL	EPA 8082 (3540)					
											TEMP N 21.5°
IG13	12/29/09			X	Sticky grey glazing on door window panel	X					
IE4	12/29/09			X	Thick tan hard expansion joint caulk	X					

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	1/4/10	1-5-10		1-5-10	R Blakely
(Printed) Jennifer Peshka	Time:	(Printed) Roberto Pergamon	(Printed) Roberto Pergamon	Time: 1600	(Printed) R Blakely

Remarks: **There is no samples#C3 or E6.

Report Date:
27-Jan-11 16:02

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Malcolm Beeler

Project: Eli Whitney - Hamden, CT
Project #: 180012.1000.000

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB23791-01	IE3-C10-36"	Concrete	22-Jan-11 08:15	24-Jan-11 15:00
SB23791-02	IE3-C11-48"	Concrete	22-Jan-11 08:20	24-Jan-11 15:00
SB23791-03	IE3-C12-36"	Concrete	22-Jan-11 08:25	24-Jan-11 15:00
SB23791-04	IE3-C13-48"	Concrete	22-Jan-11 08:30	24-Jan-11 15:00
SB23791-05	IE3-C14-36"	Concrete	22-Jan-11 08:35	24-Jan-11 15:00
SB23791-06	IE3-C15-48"	Concrete	22-Jan-11 08:40	24-Jan-11 15:00
SB23791-07	IE3-C16-36"	Concrete	22-Jan-11 08:45	24-Jan-11 15:00
SB23791-08	IE3-C17-48"	Concrete	22-Jan-11 08:50	24-Jan-11 15:00
SB23791-09	C2-C18-6"	Brick	22-Jan-11 09:10	24-Jan-11 15:00
SB23791-10	C2-C19-12"	Brick	22-Jan-11 09:15	24-Jan-11 15:00
SB23791-11	C2-C20-6"	Brick	22-Jan-11 09:20	24-Jan-11 15:00
SB23791-12	C2-C21-12"	Brick	22-Jan-11 09:25	24-Jan-11 15:00
SB23791-13	C2-C22-12"	Brick	22-Jan-11 09:30	24-Jan-11 15:00
SB23791-14	C2-C23-12"	Brick	22-Jan-11 09:35	24-Jan-11 15:00
SB23791-15	C2-C24-12"	Brick	22-Jan-11 09:40	24-Jan-11 15:00
SB23791-16	C2-C25-12"	Brick	22-Jan-11 09:45	24-Jan-11 15:00
SB23791-17	C2-C26-12"	Brick	22-Jan-11 09:50	24-Jan-11 15:00
SB23791-18	C2-C27-12"	Brick	22-Jan-11 09:55	24-Jan-11 15:00
SB23791-19	C2-C28-12"	Brick	22-Jan-11 10:00	24-Jan-11 15:00
SB23791-20	IE3-C29-48"	Concrete	22-Jan-11 08:55	24-Jan-11 15:00
SB23791-21	E1-C30-6"	Brick	22-Jan-11 10:05	24-Jan-11 15:00
SB23791-22	E1-C31-12"	Brick	22-Jan-11 10:10	24-Jan-11 15:00
SB23791-23	E1-C32-12"	Brick	22-Jan-11 10:15	24-Jan-11 15:00
SB23791-24	E1-C33-12"	Brick	22-Jan-11 10:20	24-Jan-11 15:00
SB23791-25	E1-C34-12"	Brick	22-Jan-11 10:25	24-Jan-11 15:00
SB23791-26	E2-B16-6"	Brick	22-Jan-11 11:30	24-Jan-11 15:00
SB23791-27	E2-B17-12"	Brick	22-Jan-11 11:35	24-Jan-11 15:00
SB23791-28	E2-B18-12"	Brick	22-Jan-11 11:40	24-Jan-11 15:00
SB23791-29	E2-B19-12"	Brick	22-Jan-11 11:45	24-Jan-11 15:00
SB23791-30	C2-B20-6"	Brick	22-Jan-11 11:50	24-Jan-11 15:00
SB23791-31	C2-B21-12"	Brick	22-Jan-11 11:55	24-Jan-11 15:00
SB23791-32	C2-B22-12"	Brick	22-Jan-11 12:00	24-Jan-11 15:00
SB23791-33	IC4-B23-1C	Concrete	22-Jan-11 12:30	24-Jan-11 15:00
SB23791-34	IC4-B24-2C	Concrete	22-Jan-11 12:35	24-Jan-11 15:00
SB23791-35	IC4-B25-2C	Concrete	22-Jan-11 12:40	24-Jan-11 15:00
SB23791-36	IC4-B26-2C	Concrete	22-Jan-11 12:45	24-Jan-11 15:00
SB23791-37	IE3-B27-36"	Concrete	22-Jan-11 12:50	24-Jan-11 15:00

SB23791-38	IE3-B28-48"	Concrete	22-Jan-11 12:55	24-Jan-11 15:00
SB23791-39	IE3-B29-36"	Concrete	22-Jan-11 13:00	24-Jan-11 15:00
SB23791-40	IE3-B30-48"	Concrete	22-Jan-11 13:05	24-Jan-11 15:00
SB23791-41	IE3-B31-36"	Concrete	22-Jan-11 13:15	24-Jan-11 15:00
SB23791-42	IE3-B32-48"	Concrete	22-Jan-11 13:30	24-Jan-11 15:00
SB23791-43	IE3-D35-36"	Concrete	23-Jan-11 08:00	24-Jan-11 15:00
SB23791-44	IE3-D36-48"	Concrete	23-Jan-11 08:10	24-Jan-11 15:00
SB23791-45	IE3-D37-36"	Concrete	23-Jan-11 08:20	24-Jan-11 15:00
SB23791-46	IE3-D38-48"	Concrete	23-Jan-11 08:25	24-Jan-11 15:00
SB23791-47	IE3-D39-36"	Concrete	23-Jan-11 08:30	24-Jan-11 15:00
SB23791-48	IE3-D40-48"	Concrete	23-Jan-11 08:35	24-Jan-11 15:00
SB23791-49	IDC4-D41-36"	Concrete	23-Jan-11 08:45	24-Jan-11 15:00
SB23791-50	IDC4-D42-48"	Concrete	23-Jan-11 08:50	24-Jan-11 15:00
SB23791-51	IDC4-D43-36"	Concrete	23-Jan-11 08:55	24-Jan-11 15:00
SB23791-52	IDC4-D44-48"	Concrete	23-Jan-11 09:00	24-Jan-11 15:00
SB23791-53	IC5-D45-9"	Concrete	23-Jan-11 09:10	24-Jan-11 15:00
SB23791-54	IC9-D46-12"	Concrete	23-Jan-11 09:20	24-Jan-11 15:00
SB23791-55	IC4-D47-1C	Concrete	23-Jan-11 09:30	24-Jan-11 15:00
SB23791-56	IC4-D48-2C	Concrete	23-Jan-11 09:35	24-Jan-11 15:00
SB23791-57	IC4-D49-2C	Concrete	23-Jan-11 09:45	24-Jan-11 15:00
SB23791-58	IC4-D50-2C	Concrete	23-Jan-11 09:50	24-Jan-11 15:00
SB23791-59	IC4-D51-2C	Concrete	23-Jan-11 10:00	24-Jan-11 15:00
SB23791-60	C2-D52-6"	Brick	23-Jan-11 10:15	24-Jan-11 15:00
SB23791-61	C2-D53-12"	Brick	23-Jan-11 10:20	24-Jan-11 15:00
SB23791-62	C2-D54-12"	Brick	23-Jan-11 10:25	24-Jan-11 15:00
SB23791-63	E1-A6-12"	Brick	23-Jan-11 10:35	24-Jan-11 15:00

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 45 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 4.0 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 1.8 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB23791-10 *C2-C19-12"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr)

SB23791-43 *IE3-D35-36"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB23791-45 *IE3-D37-36"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

SB23791-57 *IC4-D49-2C*

SW846 8082A

Samples:

SB23791-57 *IC4-D49-2C*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Decachlorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C10-36" SB23791-01	180012.1000.000	Concrete	22-Jan-11 08:15	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	61.8	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	61.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	61.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	61.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	61.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,090		µg/kg dry	61.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	61.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	61.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	61.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*107*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*119*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.9		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C11-48" SB23791-02	180012.1000.000	Concrete	22-Jan-11 08:20	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.9	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,090		µg/kg dry	60.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	60.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.6		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C12-36" SB23791-03	180012.1000.000	Concrete	22-Jan-11 08:25	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.7	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	719		µg/kg dry	60.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	87.9		µg/kg dry	60.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C13-48" SB23791-04	180012.1000.000	Concrete	22-Jan-11 08:30	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	53.8	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	53.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	53.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	53.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	53.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	496		µg/kg dry	53.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	602		µg/kg dry	53.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	53.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	53.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C14-36" SB23791-05	180012.1000.000	Concrete	22-Jan-11 08:35	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.4	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	967		µg/kg dry	58.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	87.3		µg/kg dry	58.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C15-48" SB23791-06	180012.1000.000	Concrete	22-Jan-11 08:40	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.8	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	516		µg/kg dry	59.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.6		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C16-36" SB23791-07	180012.1000.000	Concrete	22-Jan-11 08:45	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	56.0	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	56.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	56.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	56.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	56.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	414		µg/kg dry	56.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	167		µg/kg dry	56.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	56.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	56.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*129*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*118*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C17-48" SB23791-08	180012.1000.000	Concrete	22-Jan-11 08:50	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	64.8	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	729		µg/kg dry	64.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	64.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*59*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*144*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C18-6" SB23791-09	180012.1000.000	Brick	22-Jan-11 09:10	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	54.6	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	54.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	54.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	54.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	54.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	54.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	54.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	54.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	54.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*122*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*109*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.8		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C19-12" SB23791-10	180012.1000.000	Brick	22-Jan-11 09:15	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	64.9	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	64.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	64.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	64.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	64.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	64.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	64.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	64.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	64.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*129*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*806*	S02		*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*66*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.2		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C20-6" SB23791-11	180012.1000.000	Brick	22-Jan-11 09:20	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.8	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	60.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	60.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.8		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C21-12" SB23791-12	180012.1000.000	Brick	22-Jan-11 09:25	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.0	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.1		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C22-12" SB23791-13	180012.1000.000	Brick	22-Jan-11 09:30	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	44.9	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	44.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	44.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	44.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	44.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	44.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	44.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	44.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	44.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*109*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.0		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C23-12" SB23791-14	180012.1000.000	Brick	22-Jan-11 09:35	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	67.0	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*76*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*114*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.5		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C24-12" SB23791-15	180012.1000.000	Brick	22-Jan-11 09:40	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.2	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	60.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	60.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.6		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C25-12" SB23791-16	180012.1000.000	Brick	22-Jan-11 09:45	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	67.1	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	67.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*88*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*104*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*118*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.9		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C26-12" SB23791-17	180012.1000.000	Brick	22-Jan-11 09:50	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	68.8	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	68.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	68.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	68.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	68.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	68.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	68.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	68.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	68.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*114*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.4		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C27-12" SB23791-18	180012.1000.000	Brick	22-Jan-11 09:55	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	67.4	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	67.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	67.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	67.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	67.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	67.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	67.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	67.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	67.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*115*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.9		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-C28-12" SB23791-19	180012.1000.000	Brick	22-Jan-11 10:00	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	66.0	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*107*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*107*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.8		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C29-48" SB23791-20	180012.1000.000	Concrete	22-Jan-11 08:55	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.9	1	SW846 8082A	24-Jan-11	26-Jan-11	IMR	1101443	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	447		µg/kg dry	58.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	58.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*87*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*113*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101495	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-C30-6" SB23791-21	180012.1000.000	Brick	22-Jan-11 10:05	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	49.7	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	49.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	49.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	49.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	49.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	49.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	49.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	49.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	49.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*109*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*109*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.8		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-C31-12" SB23791-22	180012.1000.000	Brick	22-Jan-11 10:10	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	63.0	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	63.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	63.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	63.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	63.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	63.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	63.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	63.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	63.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*106*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.6		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-C32-12" SB23791-23	180012.1000.000	Brick	22-Jan-11 10:15	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	66.0	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	66.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*97*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*113*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.1		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-C33-12" SB23791-24	180012.1000.000	Brick	22-Jan-11 10:20	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	63.1	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	63.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.7		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-C34-12" SB23791-25	180012.1000.000	Brick	22-Jan-11 10:25	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	55.8	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	55.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	55.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	55.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	55.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	55.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	55.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	55.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	55.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*114*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	96.9		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-B16-6" SB23791-26	180012.1000.000	Brick	22-Jan-11 11:30	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	65.4	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	65.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	65.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	65.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	65.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	78.4		µg/kg dry	65.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	65.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	65.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	65.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-B17-12" SB23791-27	180012.1000.000	Brick	22-Jan-11 11:35	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.5	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*100*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*109*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*111*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-B18-12" SB23791-28	180012.1000.000	Brick	22-Jan-11 11:40	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.2	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	119		µg/kg dry	59.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*110*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.1		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E2-B19-12" SB23791-29	180012.1000.000	Brick	22-Jan-11 11:45	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	47.9	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	47.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	47.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	47.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	47.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	73.0		µg/kg dry	47.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	47.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	47.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	47.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*104*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-B20-6" SB23791-30	180012.1000.000	Brick	22-Jan-11 11:50	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.5	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*109*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*116*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*112*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.9		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-B21-12" SB23791-31	180012.1000.000	Brick	22-Jan-11 11:55	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	49.6	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	49.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	49.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	49.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	49.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	49.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	49.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	49.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	49.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*115*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*101*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*114*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.7		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-B22-12" SB23791-32	180012.1000.000	Brick	22-Jan-11 12:00	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	50.0	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	50.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	50.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	50.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	50.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	50.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	50.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	50.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	50.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*116*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*141*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*106*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.9		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-B23-1C SB23791-33	180012.1000.000	Concrete	22-Jan-11 12:30	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.1	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	326		µg/kg dry	58.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.8		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-B24-2C SB23791-34	180012.1000.000	Concrete	22-Jan-11 12:35	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	57.6	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	57.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	57.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	57.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	57.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	820		µg/kg dry	57.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	57.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	57.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	57.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*95*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.6		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-B25-2C SB23791-35	180012.1000.000	Concrete	22-Jan-11 12:40	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.6	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	58.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	58.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*113*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*76*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-B26-2C SB23791-36	180012.1000.000	Concrete	22-Jan-11 12:45	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	49.0	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	49.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	49.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	49.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	49.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	49.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	49.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	49.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	49.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*50*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.8		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-B27-36" SB23791-37	180012.1000.000	Concrete	22-Jan-11 12:50	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	56.9	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	56.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	56.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	56.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	56.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	93.5		µg/kg dry	56.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	56.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	56.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	56.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*91*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*84*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-B28-48" SB23791-38	180012.1000.000	Concrete	22-Jan-11 12:55	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	56.8	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	56.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	56.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	56.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	56.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	113		µg/kg dry	56.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	56.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	56.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	56.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*81*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-B29-36" SB23791-39	180012.1000.000	Concrete	22-Jan-11 13:00	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	64.7	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	64.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	64.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	64.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	64.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	194		µg/kg dry	64.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	64.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	64.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	64.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-B30-48" SB23791-40	180012.1000.000	Concrete	22-Jan-11 13:05	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.0	1	SW846 8082A	24-Jan-11	26-Jan-11	SM	1101445	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	177		µg/kg dry	59.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101496	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-B31-36" SB23791-41	180012.1000.000	Concrete	22-Jan-11 13:15	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.0	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	354		µg/kg dry	60.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	63.9		µg/kg dry	60.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*58*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*69*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*62*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-B32-48" SB23791-42	180012.1000.000	Concrete	22-Jan-11 13:30	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	62.6	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	62.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	62.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	62.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	306		µg/kg dry	62.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	65.1		µg/kg dry	62.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	62.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	62.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	62.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*68*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*81*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*73*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D35-36" SB23791-43	180012.1000.000	Concrete	23-Jan-11 08:00	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.3	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	901		µg/kg dry	60.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	258		µg/kg dry	60.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*50*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*99*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*254*	S02		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D36-48" SB23791-44	180012.1000.000	Concrete	23-Jan-11 08:10	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	63.9	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	603		µg/kg dry	63.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	63.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*80*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*65*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*150*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D37-36" SB23791-45	180012.1000.000	Concrete	23-Jan-11 08:20	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	61.9	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,260		µg/kg dry	61.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*84*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*244*	S02		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D38-48" SB23791-46	180012.1000.000	Concrete	23-Jan-11 08:25	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	65.8	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	65.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	65.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	65.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	65.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	461		µg/kg dry	65.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	65.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	65.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	65.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D39-36" SB23791-47	180012.1000.000	Concrete	23-Jan-11 08:30	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	61.1	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,050		µg/kg dry	61.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	61.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*73*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*62*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*60*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-D40-48" SB23791-48	180012.1000.000	Concrete	23-Jan-11 08:35	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.0	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	825		µg/kg dry	59.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*82*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.2		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IDC4-D41-36'' SB23791-49	180012.1000.000	Concrete	23-Jan-11 08:45	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	60.3	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	766		µg/kg dry	60.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	60.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*79*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*76*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*52*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*59*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.0		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IDC4-D42-48'' SB23791-50	180012.1000.000	Concrete	23-Jan-11 08:50	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.6	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	241		µg/kg dry	59.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*62*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*50*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*50*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*46*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.1		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IDC4-D43-36'' SB23791-51	180012.1000.000	Concrete	23-Jan-11 08:55	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	67.0	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	671		µg/kg dry	67.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	67.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*81*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*72*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*60*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*36*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IDC4-D44-48'' SB23791-52	180012.1000.000	Concrete	23-Jan-11 09:00	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	66.4	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	578		µg/kg dry	66.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	66.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*93*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*70*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*75*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC5-D45-9" SB23791-53	180012.1000.000	Concrete	23-Jan-11 09:10	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	61.6	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	693		µg/kg dry	61.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	61.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*79*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC9-D46-12" SB23791-54	180012.1000.000	Concrete	23-Jan-11 09:20	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	62.8	1	SW846 8082A	25-Jan-11	26-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	62.8	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	62.8	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	62.8	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	62.8	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,160		µg/kg dry	62.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	1,260		µg/kg dry	62.8	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	62.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	62.8	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*55*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*66*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*43*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*48*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D47-1C SB23791-55	180012.1000.000	Concrete	23-Jan-11 09:30	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.3	1	SW846 8082A	25-Jan-11	27-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,560		µg/kg dry	58.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	651		µg/kg dry	58.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*79*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*120*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.4		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D48-2C SB23791-56	180012.1000.000	Concrete	23-Jan-11 09:35	24-Jan-11

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	53.2	1	SW846 8082A	25-Jan-11	27-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	53.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	53.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	53.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	53.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	2,700		µg/kg dry	53.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	559		µg/kg dry	53.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	53.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	53.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*79*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*56*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*54*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.5		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D49-2C SB23791-57	180012.1000.000	Concrete	23-Jan-11 09:45	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	61.9	1	SW846 8082A	25-Jan-11	27-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,900		µg/kg dry	61.9	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	328		µg/kg dry	61.9	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	61.9	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*74*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*64*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*171*	S02		*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D50-2C SB23791-58	180012.1000.000	Concrete	23-Jan-11 09:50	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	58.1	1	SW846 8082A	25-Jan-11	27-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,370		µg/kg dry	58.1	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	58.1	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*108*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*137*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D51-2C SB23791-59	180012.1000.000	Concrete	23-Jan-11 10:00	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	67.3	1	SW846 8082A	25-Jan-11	27-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	67.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	67.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	67.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	67.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	1,740		µg/kg dry	67.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	67.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	67.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	67.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*69*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*52*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.8		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-D52-6" SB23791-60	180012.1000.000	Brick	23-Jan-11 10:15	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	52.6	1	SW846 8082A	25-Jan-11	27-Jan-11	SM	1101469	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	52.6	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	52.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	52.6	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	52.6	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	52.6	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	52.6	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	52.6	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	52.6	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*98*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*83*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*58*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.6		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101497	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-D53-12" SB23791-61	180012.1000.000	Brick	23-Jan-11 10:20	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	62.0	1	SW846 8082A	25-Jan-11	26-Jan-11	IMR	1101470	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	62.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*102*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.1		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101499	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
C2-D54-12" SB23791-62	180012.1000.000	Brick	23-Jan-11 10:25	24-Jan-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	65.7	1	SW846 8082A	25-Jan-11	26-Jan-11	IMR	1101470	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	65.7	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*91*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	95.2		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101499	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
E1-A6-12"	180012.1000.000	Brick	23-Jan-11 10:35	24-Jan-11
SB23791-63				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	53.3	1	SW846 8082A	25-Jan-11	27-Jan-11	IMR	1101470	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	53.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	53.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	53.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	53.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	53.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	53.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	53.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	53.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*77*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*78*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*79*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.8		%		1	SM2540 G Mod.	25-Jan-11	25-Jan-11	DT	1101499	

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1101443 - SW846 3540C										
Blank (1101443-BLK1)					Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.1*		µg/kg wet		*20.0*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.3*		µg/kg wet		*20.0*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.3*		µg/kg wet		*20.0*		*102*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*24.2*		µg/kg wet		*20.0*		*121*	*30-150*		
LCS (1101443-BS1)					Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	249		µg/kg wet	20.0	250		100	50-140		
Aroclor-1016 [2C]	272		µg/kg wet	20.0	250		109	50-140		
Aroclor-1260	225		µg/kg wet	20.0	250		90	50-140		
Aroclor-1260 [2C]	235		µg/kg wet	20.0	250		94	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.9*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.9*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.5*		µg/kg wet		*20.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*21.1*		µg/kg wet		*20.0*		*106*	*30-150*		
LCS Dup (1101443-BSD1)					Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	236		µg/kg wet	20.0	250		94	50-140	5	30
Aroclor-1016 [2C]	263		µg/kg wet	20.0	250		105	50-140	4	30
Aroclor-1260	219		µg/kg wet	20.0	250		88	50-140	3	30
Aroclor-1260 [2C]	233		µg/kg wet	20.0	250		93	50-140	0.6	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*20.0*		*93*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*20.7*		µg/kg wet		*20.0*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*19.5*		µg/kg wet		*20.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.9*		µg/kg wet		*20.0*		*115*	*30-150*		
Duplicate (1101443-DUP1)			**Source: SB23791-01**		Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1221	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1232	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1242	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1248	BRL		µg/kg dry	51.4		BRL				40

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1101443 - SW846 3540C										
Duplicate (1101443-DUP1)			**Source: SB23791-01**		Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1248 [2C]	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1254	2500		µg/kg dry	51.4		2050			20	40
Aroclor-1254 [2C]	2430		µg/kg dry	51.4		2090			15	40
Aroclor-1260	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1262	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1268	BRL		µg/kg dry	51.4		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	51.4		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*44.5*		µg/kg dry		*51.4*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*53.5*		µg/kg dry		*51.4*		*104*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*54.0*		µg/kg dry		*51.4*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*55.5*		µg/kg dry		*51.4*		*108*	*30-150*		
Matrix Spike (1101443-MS1)			**Source: SB23791-01**		Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	634		µg/kg dry	55.9	699	BRL	91	40-135		
Aroclor-1016 [2C]	633		µg/kg dry	55.9	699	BRL	91	40-135		
Aroclor-1260	527		µg/kg dry	55.9	699	BRL	75	40-135		
Aroclor-1260 [2C]	550		µg/kg dry	55.9	699	BRL	79	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*49.8*		µg/kg dry		*55.9*		*89*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*47.8*		µg/kg dry		*55.9*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*48.1*		µg/kg dry		*55.9*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*54.8*		µg/kg dry		*55.9*		*98*	*30-150*		
Matrix Spike Dup (1101443-MSD1)			**Source: SB23791-01**		Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	617		µg/kg dry	57.7	721	BRL	86	40-135	6	30
Aroclor-1016 [2C]	651		µg/kg dry	57.7	721	BRL	90	40-135	0.4	30
Aroclor-1260	537		µg/kg dry	57.7	721	BRL	75	40-135	1	30
Aroclor-1260 [2C]	568		µg/kg dry	57.7	721	BRL	79	40-135	0.2	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*47.6*		µg/kg dry		*57.7*		*82*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*54.5*		µg/kg dry		*57.7*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*51.0*		µg/kg dry		*57.7*		*88*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*58.5*		µg/kg dry		*57.7*		*102*	*30-150*		
Batch 1101445 - SW846 3540C										
Blank (1101445-BLK1)					Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1101445 - SW846 3540C										
Blank (1101445-BLK1)					Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*22.5*		µg/kg wet		*20.0*		*113*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.5*		µg/kg wet		*20.0*		*108*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*25.1*		µg/kg wet		*20.0*		*126*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*23.1*		µg/kg wet		*20.0*		*116*	*30-150*		
LCS (1101445-BS1)					Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	279		µg/kg wet	20.0	250		112	50-140		
Aroclor-1016 [2C]	257		µg/kg wet	20.0	250		103	50-140		
Aroclor-1260	269		µg/kg wet	20.0	250		107	50-140		
Aroclor-1260 [2C]	258		µg/kg wet	20.0	250		103	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.7*		µg/kg wet		*20.0*		*109*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.3*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*24.9*		µg/kg wet		*20.0*		*125*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.3*		µg/kg wet		*20.0*		*112*	*30-150*		
LCS Dup (1101445-BSD1)					Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	255		µg/kg wet	20.0	250		102	50-140	9	30
Aroclor-1016 [2C]	251		µg/kg wet	20.0	250		101	50-140	2	30
Aroclor-1260	243		µg/kg wet	20.0	250		97	50-140	10	30
Aroclor-1260 [2C]	241		µg/kg wet	20.0	250		96	50-140	7	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.0*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.9*		µg/kg wet		*20.0*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.9*		µg/kg wet		*20.0*		*115*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.9*		µg/kg wet		*20.0*		*105*	*30-150*		
Duplicate (1101445-DUP1)			**Source: SB23791-21**		Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1221	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1232	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1242	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1248	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1248 [2C]	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1254	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1254 [2C]	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1260	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1262	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1268	BRL		µg/kg dry	46.7		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	46.7		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*48.6*		µg/kg dry		*46.7*		*104*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*44.6*		µg/kg dry		*46.7*		*95*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*50.0*		µg/kg dry		*46.7*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*47.0*		µg/kg dry		*46.7*		*101*	*30-150*		
Matrix Spike (1101445-MS1)			**Source: SB23791-21**		Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	698		µg/kg dry	56.1	702	BRL	99	40-135		
Aroclor-1016 [2C]	677		µg/kg dry	56.1	702	BRL	96	40-135		
Aroclor-1260	718		µg/kg dry	56.1	702	BRL	102	40-135		

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1101445 - SW846 3540C										
Matrix Spike (1101445-MS1)			**Source: SB23791-21**		Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1260 [2C]	715		µg/kg dry	56.1	702	BRL	102	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*56.7*		µg/kg dry		*56.1*		*101*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*55.0*		µg/kg dry		*56.1*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*64.0*		µg/kg dry		*56.1*		*114*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*60.4*		µg/kg dry		*56.1*		*108*	*30-150*		
Matrix Spike Dup (1101445-MSD1)			**Source: SB23791-21**		Prepared: 24-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	713		µg/kg dry	61.5	768	BRL	93	40-135	7	30
Aroclor-1016 [2C]	689		µg/kg dry	61.5	768	BRL	90	40-135	7	30
Aroclor-1260	716		µg/kg dry	61.5	768	BRL	93	40-135	9	30
Aroclor-1260 [2C]	726		µg/kg dry	61.5	768	BRL	94	40-135	8	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*59.6*		µg/kg dry		*61.5*		*97*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*57.8*		µg/kg dry		*61.5*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*60.2*		µg/kg dry		*61.5*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*61.8*		µg/kg dry		*61.5*		*101*	*30-150*		
Batch 1101469 - SW846 3540C										
Blank (1101469-BLK1)					Prepared: 25-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.2*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.6*		µg/kg wet		*20.0*		*93*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*20.6*		µg/kg wet		*20.0*		*103*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.3*		µg/kg wet		*20.0*		*96*	*30-150*		
LCS (1101469-BS1)					Prepared: 25-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	253		µg/kg wet	20.0	250		101	50-140		
Aroclor-1016 [2C]	242		µg/kg wet	20.0	250		97	50-140		
Aroclor-1260	248		µg/kg wet	20.0	250		99	50-140		
Aroclor-1260 [2C]	254		µg/kg wet	20.0	250		101	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*19.4*		µg/kg wet		*20.0*		*97*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.1*		µg/kg wet		*20.0*		*96*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.1*		µg/kg wet		*20.0*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.9*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS Dup (1101469-BSD1)					Prepared: 25-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	250		µg/kg wet	20.0	250		100	50-140	1	30
Aroclor-1016 [2C]	240		µg/kg wet	20.0	250		96	50-140	1	30

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1101469 - SW846 3540C										
LCS Dup (1101469-BSD1)					Prepared: 25-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1260	249		µg/kg wet	20.0	250		100	50-140	0.6	30
Aroclor-1260 [2C]	251		µg/kg wet	20.0	250		100	50-140	1	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.6*		µg/kg wet		*20.0*		*93*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.8*		µg/kg wet		*20.0*		*94*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*22.1*		µg/kg wet		*20.0*		*111*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*18.8*		µg/kg wet		*20.0*		*94*	*30-150*		
Duplicate (1101469-DUP1)			**Source: SB23791-41**		Prepared: 25-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1016 [2C]	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1221	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1221 [2C]	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1232	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1232 [2C]	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1242	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1242 [2C]	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1248	449		µg/kg dry	66.2		320			34	40
Aroclor-1248 [2C]	408		µg/kg dry	66.2		354			14	40
Aroclor-1254	78.1		µg/kg dry	66.2		63.6			21	40
Aroclor-1254 [2C]	81.5		µg/kg dry	66.2		63.9			24	40
Aroclor-1260	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1260 [2C]	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1262	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1262 [2C]	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1268	BRL		µg/kg dry	66.2		BRL				40
Aroclor-1268 [2C]	BRL		µg/kg dry	66.2		BRL				40
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*39.1*		µg/kg dry		*66.2*		*59*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*38.1*		µg/kg dry		*66.2*		*58*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*45.4*		µg/kg dry		*66.2*		*68*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*45.7*		µg/kg dry		*66.2*		*69*	*30-150*		
Matrix Spike (1101469-MS1)			**Source: SB23791-41**		Prepared: 25-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	529		µg/kg dry	62.1	776	BRL	68	40-135		
Aroclor-1016 [2C]	507		µg/kg dry	62.1	776	BRL	65	40-135		
Aroclor-1260	479		µg/kg dry	62.1	776	BRL	62	40-135		
Aroclor-1260 [2C]	471		µg/kg dry	62.1	776	BRL	61	40-135		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*40.0*		µg/kg dry		*62.1*		*65*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*32.0*		µg/kg dry		*62.1*		*52*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*42.2*		µg/kg dry		*62.1*		*68*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*40.0*		µg/kg dry		*62.1*		*65*	*30-150*		
Matrix Spike Dup (1101469-MSD1)			**Source: SB23791-41**		Prepared: 25-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	649		µg/kg dry	58.2	727	BRL	89	40-135	27	30
Aroclor-1016 [2C]	639		µg/kg dry	58.2	727	BRL	88	40-135	29	30
Aroclor-1260	524		µg/kg dry	58.2	727	BRL	72	40-135	15	30
Aroclor-1260 [2C]	520		µg/kg dry	58.2	727	BRL	72	40-135	16	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*44.8*		µg/kg dry		*58.2*		*77*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*39.9*		µg/kg dry		*58.2*		*68*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*42.2*		µg/kg dry		*58.2*		*72*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*41.9*		µg/kg dry		*58.2*		*72*	*30-150*		
Batch 1101470 - SW846 3540C										
Blank (1101470-BLK1)					Prepared: 25-Jan-11 Analyzed: 26-Jan-11					
Aroclor-1016	BRL		µg/kg wet	20.0						

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1101470 - SW846 3540C										
Blank (1101470-BLK1)						Prepared: 25-Jan-11 Analyzed: 26-Jan-11				
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.5*		µg/kg wet		*20.0*		*82*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*18.4*		µg/kg wet		*20.0*		*92*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*16.6*		µg/kg wet		*20.0*		*83*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*16.8*		µg/kg wet		*20.0*		*84*	*30-150*		
LCS (1101470-BS1)						Prepared: 25-Jan-11 Analyzed: 26-Jan-11				
Aroclor-1016	231		µg/kg wet	20.0	250		92	50-140		
Aroclor-1016 [2C]	247		µg/kg wet	20.0	250		99	50-140		
Aroclor-1260	202		µg/kg wet	20.0	250		81	50-140		
Aroclor-1260 [2C]	192		µg/kg wet	20.0	250		77	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*17.0*		µg/kg wet		*20.0*		*85*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.2*		µg/kg wet		*20.0*		*86*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.5*		µg/kg wet		*20.0*		*78*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.8*		µg/kg wet		*20.0*		*79*	*30-150*		
LCS Dup (1101470-BSD1)						Prepared: 25-Jan-11 Analyzed: 26-Jan-11				
Aroclor-1016	225		µg/kg wet	20.0	250		90	50-140	2	30
Aroclor-1016 [2C]	239		µg/kg wet	20.0	250		96	50-140	3	30
Aroclor-1260	211		µg/kg wet	20.0	250		84	50-140	4	30
Aroclor-1260 [2C]	198		µg/kg wet	20.0	250		79	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*16.7*		µg/kg wet		*20.0*		*84*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*17.4*		µg/kg wet		*20.0*		*87*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*15.7*		µg/kg wet		*20.0*		*78*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*15.9*		µg/kg wet		*20.0*		*80*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1101495 - General Preparation										
Duplicate (1101495-DUP1)			**Source: SB23791-01**			Prepared & Analyzed: 25-Jan-11				
% Solids	99.8		%			99.9			0.02	20
Batch 1101496 - General Preparation										
Duplicate (1101496-DUP1)			**Source: SB23791-21**			Prepared & Analyzed: 25-Jan-11				
% Solids	99.7		%			99.8			0.1	20
Batch 1101497 - General Preparation										
Duplicate (1101497-DUP1)			**Source: SB23791-41**			Prepared & Analyzed: 25-Jan-11				
% Solids	99.3		%			99.3			0.09	20
Batch 1101499 - General Preparation										
Duplicate (1101499-DUP1)			**Source: SB23791-61**			Prepared & Analyzed: 25-Jan-11				
% Solids	99.3		%			99.1			0.1	20

Notes and Definitions

S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Hanibal C. Tayeh, Ph.D.
June O'Connor
Kimberly Wisk

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Eli Whitney - Hamden, CT

Project Number: 180012.1000.000

Sampling Date(s):
1/22/2011 through 1/23/2011

Laboratory Sample ID(s):
SB23791-01 through SB23791-63

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the 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? ** Exceptions are defined by qualifiers*	Yes Yes	✓ No 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

Note: 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."

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 obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja
Laboratory Director
Date: 1/27/2011

✓ SB23791 Em

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 2-3 days
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: TRC
21 Griffin Road North
Windsor, CT 06095
Telephone #: 860-298-6223
Project Mgr. Malcolm Beeler

Invoice To: Rebecca Cutler
CT DPW
165 Capital Avenue, RM 275
Hartford, CT 06106
P.O. No.: 9672 RQN:

Project No.: 180012.1000.000
Site Name: Eli Whitney Technical School
Location: Hamden State: CT
Sampler(s): R. Gille

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= Brick X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs (8082/3540)
23791 01	IE3-C10-36"	1/22/11	08:15	G	X1			1		X
02	IE3-C11-48"		08:20					1		X
03	IE3-C12-36"		08:25					1		X
04	IE3-C13-48"		08:30					1		X
05	IE3-C14-36"		08:35					1		X
06	IE3-C15-48"		08:40					1		X
07	IE3-C16-36"		08:45					1		X
08	IE3-C17-48"		08:50					1		X
09	C2-C18-6"		09:00		X2			1		X
10	C2-C19-12"		09:15		X2			1		X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Beeler	[signature]	1-24-11	1350	4.0
	[signature]	1/24/11	15:00	1.8

☒ EDD Format excel
☐ E-mail to mbeeler@trcsolutions.com

☐ Ambient ☐ Iced ☐ Refrigerated ☒ Fridge temp 4.4 °C ☐ Freezer temp ___ °C

SB23791 B

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
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Report To: See Page 1

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.: 160012.1000.0000

Site Name: Eli Whitney Technical School

Location: Hamden State: CT

Sampler(s): R. Gille

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=Concrete X2= Brick X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs (8082/3540)
23791-11	C2-C20-6"	1/22/11	9:20	G	X2			1		
12	C2-C21-12"		9:25					1		
13	C2-C22-12"		9:30					1		
14	C2-C23-12"		9:35					1		
15	C2-C24-12"		9:40					1		
16	C2-C25-12"		9:45					1		
17	C2-C26-12"		9:50					1		
18	C2-C27-12"		9:55					1		
19	C2-C28-12"		10:00					1		
20	IE3-C29-48"		08:55		X1			1		

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Butler	[signature]	1-24-11	1350	4.0
[signature]	[signature]	1/24	15:00	1.8

☒ EDD Format excel
☒ E-mail to mbeeler@trcsolutions.com

☐ Ambient ☐ Iced ☒ Refrigerated ☒ Fridge temp 4.4 °C ☐ Freezer temp ___ °C

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CHAIN OF CUSTODY RECORD

Page 3 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
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Report To: See Page 1

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.: K80012.1000.0000

Site Name: Eli Whitney Technical School

Location: Hamden State: CT

Sampler(s): R. Colle

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= cool 11=

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=Concrete X2= Brick X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs (8082/3540)
23791-21	E1-C30-6"	1/22/11	10:05	G	X2			1		X
22	E1-C31-12"		10:10					1		X
23	E1-C32-12"		10:15					1		X
24	E1-C33-12"		10:20					1		X
25	E1-C34-12"		10:25					1		X
26	E2-B16-6"		11:30		X2			1		X
27	E2-B17-12"		11:35					1		X
28	E2-B18-12"		11:40					1		X
29	E2-B19-12"		11:45					1		X
30	C2-B20-6"		11:50		X2			1		X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Buffin	[signature]	1-24-11	1350	4.0
[signature]	[signature]	1/24	15:00	1.8

☒ EDD Format excel
☐ E-mail to mbarkere tresolutions.com

☐ Ambient ☐ Iced ☒ Refrigerated ☒ Fridge temp 4.4°C ☐ Freezer temp ___°C

SB23791 ✓ By

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CHAIN OF CUSTODY RECORD

Page 4 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
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Report To: See Page 1

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.: 180012.1000.0000

Site Name: Eli Whitney Technical School

Location: Hamden State: CT

Sampler(s): R. Gille

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 0001 11=

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=Concrete X2= Brick X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic		PCBs (8082/3540)							
23791-31	C2-B21-12"	1/22/11	11:55	~~B~~ G	X2			1			X							
32	C2-B22-12"		12:00	~~B~~	X2			1			X							
33	IC4-B23-1C		12:30		X1			1			X							
34	IC4-B24-2C		12:35					1			X							
35	IC4-B25-2C		12:40					1			X							
36	IC4-B26-2C		12:45					1			X							
37	IE3-B27-36"		12:50					1			X							
38	IE3-B28-48"		12:55					1			X							
39	IE3-B29-36"		13:00					1			X							
40	IE3B30-48"		13:05					1			X							

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Butler	[signature]	1-24-11	1350	4.0
[signature]	[signature]	1/24	15:00	1.8

☒ EDD Format excel
☒ E-mail to mbutler@trcsolutions.com

☐ Ambient ☐ Iced ☑ Refrigerated ☑ Fridge temp 4.4 °C ☐ Freezer temp ___ °C

SB23791 ✓ Bn

SPECTRUM ANALYTICAL, INC.
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HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 5 of 7

Special Handling:
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Report To: See Page 1

Telephone #:

Project Mgr.

Invoice To: See Page 1

P.O. No.: RQN:

Project No.: 180012.1000.0000

Site Name: Eli Whitney Technical School

Location: Hamden State: CT

Sampler(s): R. Gillo

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= cool 11=

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=Concrete X2= Brick X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs (8082/3540)
23791.41	TE3-D31-36"	1/22/11	13:15	G	X1			1		X
42	TE3-D32-48"	↓	13:30	↓	↓			1		X
43	TE3-D35-36"	1/23/11	8:00	↓	↓			1		X
44	TE3-D36-48"	↓	8:10	↓	↓			1		X
45	TE3-D37-36"	↓	8:20	↓	↓			1		X
46	TE3-D38-48"	↓	8:25	↓	↓			1		X
47	TE3-D39-36"	↓	8:30	↓	↓			1		X
48	TE3-D40-48"	↓	8:35	↓	↓			1		X
49	IDC4-D41-36"	↓	8:45	↓	↓			1		X
50	IDC4-D42-48"	↓	8:50	↓	↓			1		X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm T. Butler		1-24-11	1350	4.0
		1/24	15:00	1.8

☒ EDD Format excel
☐ E-mail to mbecker@trcsolutions.com

☐ Ambient ☒ Iced ☒ Refrigerated ☒ Fridge temp 4.4 °C ☐ Freezer temp ___ °C

✓ SB23791 Dy

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 6 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 2-3 days
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: See Page

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.: 180012.1000.0000

Site Name: Eli Whitney Technical School

Location: Hamden State: CT

Sampler(s): R. Gillo

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 0001 11=

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Concrete X2= Brick X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs (8082/3540)
23791-S1	TDC4-D43-36"	1/23/11	8:55	G	X1			1		X
S2	TDC4-D44-48"		9:00					1		X
S3	TC5-D45-9"		9:10					1		X
S4	TC9-D46-12"		9:20					1		X
S5	TC4-D47-1C		9:30					1		X
S6	TC4-D48-2C		9:35					1		X
S7	TC4-D49-2C		9:45					1		X
S8	TC4-D50-2C		9:50					1		X
S9	TC4-D51-2C		10:00					1		X
60	C2-D52-6"		10:15		X2			1		X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm G. Butler		1-24-11	1350	4.0
		1/24	15:00	1.8

☐ EDD Format excel
☐ E-mail to mbecker@trcsolutions.com

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp 4.4°C ☐ Freezer temp ___ °C

S323791 ✓ 5g

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 7 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 2-3 days
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: See Page 1

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.: 180012.1000.0000

Site Name: Eli Whitney Technical School

Location: Hamden State: CT

Sampler(s): R. Gille

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= Cool 11=

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=Concrete X2= Brick X3=

G=Grab C=Composite

Containers: # of VOA Vials; # of Amber Glass; # of Clear Glass; # of Plastic

Analyses: PCBs (8082/3540)

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs (8082/3540)
S23791-61	C2-D53-12"	1/23/11	10:20	G	X2			1		X
62	C2-D54-12"	↓	10:25	↓	↓			1		X
63	E1-A6-12"	↓	10:35	↓	↓			1		X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Butler	[signature]	1-24-11	1350	4.0
[signature]	[signature]	1/24/11	15:00	1.8

☐ EDD Format excell
☐ E-mail to mbecker@tresolutions.com

☐ Ambient ☐ Iced ☐ Refrigerated ☑ Fridge temp 4.4 °C ☐ Freezer temp ___ °C

SB23791 B

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 2 of 7

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 2-3 days
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: See Page 1

Telephone #:

Project Mgr.

Invoice To:

P.O. No.: RQN:

Project No.: 160012.1000.0000

Site Name: Eli Whitney Technical School

Location: Hamden State: CT

Sampler(s): R. Gille

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= 11=

List preservative code below:

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=Concrete X2= Brick X3=

G=Grab C=Composite

MA DEP MCP CAM Report: Yes ☐ No ☐
CT DPH RCP Report: Yes ☒ No ☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs (8082/3540)							
23791-11	C2-C20-6"	1/22/11	9:20	G	X2			1		X							
12	C2-C21-12"		9:25					1									
13	C2-C22-12"		9:30					1									
14	C2-C23-12"		9:35					1									
15	C2-C24-12"		9:40					1									
16	C2-C25-12"		9:45					1									
17	C2-C26-12"		9:50					1									
18	C2-C27-12"		9:55					1									
19	C2-C28-12"		10:00					1									
20	IE3-C29-48"		08:55		X1			1									

All Samples checked off for PCBs per client request

Relinquished by:	Received by:	Date:	Time:	Temp°C
Malcolm A. Butler	[signature]	1-24-11	1350	4.0
[signature]	[signature]	1/24	15:00	1.8

☒ EDD Format excel

☒ E-mail to mbecker@trcsolutions.com

☐ Ambient ☐ Iced ☒ Refrigerated ☒ Fridge temp 4.4 °C ☐ Freezer temp ____ °C

Report Date:
11-Feb-11 13:46

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Richard Gille

Project: Eli Whitney - Hamden, CT
Project #: 180012.1000.0000

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB24332-01	IE3-C35-60"	Concrete	07-Feb-11 17:30	08-Feb-11 15:15
SB24332-02	IE3-C36-60"	Concrete	07-Feb-11 17:45	08-Feb-11 15:15
SB24332-03	IC9-D55-24"	Concrete	07-Feb-11 18:15	08-Feb-11 15:15
SB24332-04	IC9-D56-30"	Concrete	07-Feb-11 18:30	08-Feb-11 15:15
SB24332-05	IC4-D57-4C	Concrete	07-Feb-11 18:40	08-Feb-11 15:15
SB24332-06	IC4-D58-4C	Concrete	07-Feb-11 18:45	08-Feb-11 15:15
SB24332-07	IC4-D59-4C	Concrete	07-Feb-11 18:50	08-Feb-11 15:15
SB24332-08	IC4-D60-4C	Concrete	07-Feb-11 19:00	08-Feb-11 15:15

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 10 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

CASE NARRATIVE:

The sample temperature upon receipt by Spectrum Analytical courier was recorded as 4.6 degrees Celsius. The condition of these samples was further noted as refrigerated. The samples were transported on ice to the laboratory facility and the temperature was recorded at 3.4 degrees Celsius upon receipt at the laboratory. Please refer to the Chain of Custody for details specific to sample receipt times.

An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

There is no relevant protocol-specific QC and/or performance standards non-conformances to report.

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C35-60" SB24332-01	180012.1000.0000	Concrete	07-Feb-11 17:30	08-Feb-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	54.4	1	SW846 8082A	08-Feb-11	10-Feb-11	SM	1102378	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	54.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	54.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	54.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	54.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	192		µg/kg dry	54.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	54.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	54.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	54.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*89*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*80*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*92*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*78*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.8		%		1	SM2540 G Mod.	09-Feb-11	09-Feb-11	VK	1102475	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IE3-C36-60" SB24332-02	180012.1000.0000	Concrete	07-Feb-11 17:45	08-Feb-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	53.5	1	SW846 8082A	08-Feb-11	10-Feb-11	SM	1102378	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	53.5	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	53.5	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	53.5	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	53.5	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	77.0		µg/kg dry	53.5	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	168		µg/kg dry	53.5	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	53.5	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	53.5	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*97*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*105*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	98.8		%		1	SM2540 G Mod.	09-Feb-11	09-Feb-11	VK	1102475	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC9-D55-24" SB24332-03	180012.1000.0000	Concrete	07-Feb-11 18:15	08-Feb-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	51.2	1	SW846 8082A	08-Feb-11	10-Feb-11	SM	1102378	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	51.2	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	51.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	51.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	51.2	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	431		µg/kg dry	51.2	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	174		µg/kg dry	51.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	51.2	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	51.2	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*112*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*94*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*125*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*130*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.6		%		1	SM2540 G Mod.	09-Feb-11	09-Feb-11	VK	1102475	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC9-D56-30" SB24332-04	180012.1000.0000	Concrete	07-Feb-11 18:30	08-Feb-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	61.0	1	SW846 8082A	08-Feb-11	10-Feb-11	SM	1102378	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	61.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	61.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	61.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	61.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	338		µg/kg dry	61.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	61.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	61.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	61.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*103*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*90*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*86*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*91*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	09-Feb-11	09-Feb-11	VK	1102475	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D57-4C	180012.1000.0000	Concrete	07-Feb-11 18:40	08-Feb-11
SB24332-05				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	62.4	1	SW846 8082A	08-Feb-11	10-Feb-11	SM	1102378	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	62.4	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	62.4	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	62.4	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	62.4	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	BRL		µg/kg dry	62.4	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	62.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	62.4	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	62.4	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*98*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*88*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*74*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*72*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	97.8		%		1	SM2540 G Mod.	09-Feb-11	09-Feb-11	VK	1102475	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D58-4C	180012.1000.0000	Concrete	07-Feb-11 18:45	08-Feb-11
SB24332-06				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	64.0	1	SW846 8082A	08-Feb-11	10-Feb-11	SM	1102378	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	715		µg/kg dry	64.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	64.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*102*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*89*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*96*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*66*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	09-Feb-11	09-Feb-11	VK	1102475	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D59-4C SB24332-07	180012.1000.0000	Concrete	07-Feb-11 18:50	08-Feb-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	56.3	1	SW846 8082A	08-Feb-11	10-Feb-11	SM	1102378	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	56.3	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	56.3	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	56.3	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	56.3	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	358		µg/kg dry	56.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	237		µg/kg dry	56.3	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	56.3	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	56.3	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*100*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*85*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*85*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*72*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.3		%		1	SM2540 G Mod.	09-Feb-11	09-Feb-11	VK	1102475	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC4-D60-4C SB24332-08	180012.1000.0000	Concrete	07-Feb-11 19:00	08-Feb-11

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC												
Polychlorinated Biphenyls by SW846 8082 Prepared by method SW846 3540C												
12674-11-2	Aroclor-1016	BRL		µg/kg dry	59.0	1	SW846 8082A	08-Feb-11	10-Feb-11	SM	1102378	X
11104-28-2	Aroclor-1221	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	336		µg/kg dry	59.0	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	BRL		µg/kg dry	59.0	1	"	"	"	"	"	X
Surrogate recoveries:												
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*84*			*30-150 %*		"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*93*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*75*			*30-150 %*		"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*74*			*30-150 %*		"	"	"	"	"	
General Chemistry Parameters												
	% Solids	99.4		%		1	SM2540 G Mod.	09-Feb-11	09-Feb-11	VK	1102475	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1102378 - SW846 3540C										
Blank (1102378-BLK1)						Prepared: 08-Feb-11 Analyzed: 09-Feb-11				
Aroclor-1016	BRL		µg/kg wet	20.0						
Aroclor-1016 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1221	BRL		µg/kg wet	20.0						
Aroclor-1221 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1232	BRL		µg/kg wet	20.0						
Aroclor-1232 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1242	BRL		µg/kg wet	20.0						
Aroclor-1242 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1248	BRL		µg/kg wet	20.0						
Aroclor-1248 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1254	BRL		µg/kg wet	20.0						
Aroclor-1254 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1260	BRL		µg/kg wet	20.0						
Aroclor-1260 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1262	BRL		µg/kg wet	20.0						
Aroclor-1262 [2C]	BRL		µg/kg wet	20.0						
Aroclor-1268	BRL		µg/kg wet	20.0						
Aroclor-1268 [2C]	BRL		µg/kg wet	20.0						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*21.1*		µg/kg wet		*20.0*		*106*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.3*		µg/kg wet		*20.0*		*107*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.4*		µg/kg wet		*20.0*		*117*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*19.9*		µg/kg wet		*20.0*		*100*	*30-150*		
LCS (1102378-BS1)						Prepared: 08-Feb-11 Analyzed: 09-Feb-11				
Aroclor-1016	242		µg/kg wet	20.0	250		97	50-140		
Aroclor-1016 [2C]	251		µg/kg wet	20.0	250		100	50-140		
Aroclor-1260	277		µg/kg wet	20.0	250		111	50-140		
Aroclor-1260 [2C]	261		µg/kg wet	20.0	250		104	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.6*		µg/kg wet		*20.0*		*103*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.1*		µg/kg wet		*20.0*		*106*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.4*		µg/kg wet		*20.0*		*117*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.6*		µg/kg wet		*20.0*		*103*	*30-150*		
LCS Dup (1102378-BSD1)						Prepared: 08-Feb-11 Analyzed: 09-Feb-11				
Aroclor-1016	250		µg/kg wet	20.0	250		100	50-140	3	30
Aroclor-1016 [2C]	244		µg/kg wet	20.0	250		98	50-140	3	30
Aroclor-1260	262		µg/kg wet	20.0	250		105	50-140	6	30
Aroclor-1260 [2C]	259		µg/kg wet	20.0	250		103	50-140	0.8	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*20.4*		µg/kg wet		*20.0*		*102*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*23.3*		µg/kg wet		*20.0*		*117*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*20.1*		µg/kg wet		*20.0*		*101*	*30-150*		

General Chemistry Parameters - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1102475 - General Preparation										
Duplicate (1102475-DUP1)			**Source: SB24332-01**		Prepared & Analyzed: 09-Feb-11					
% Solids	98.8		%			98.8			0.08	20

Notes and Definitions

BRL	Below Reporting Limit - Analyte NOT DETECTED at or above the reporting limit
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

A plus sign (+) in the Method Reference column indicates the method is not accredited by NELAC.

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Kimberly Wisk

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Eli Whitney - Hamden, CT

Project Number: 180012.1000.0000

Sampling Date(s):
2/7/2011

Laboratory Sample ID(s):
SB24332-01 through SB24332-08

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the 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? ** Exceptions are defined by qualifiers*	Yes Yes	✓ No 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

Note: 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."

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 obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja
Laboratory Director
Date: 2/11/2011

SB 24332

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

Page 1 of 1

Special Handling:
- ☐ Standard TAT - 7 to 10 business days
- ☒ Rush TAT - Date Needed: 3-Day
- All TATs subject to laboratory approval.
- Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Richard Gille
TRC
21 Griffin Road North
Windsor, CT 06095
Telephone #: (860) 298-6313
Project Mgr. Richard Gille

Invoice To: Rebecca Cutler
CT DPW
165 Capitol Avenue, Rm. 245
Hartford, CT 06106
P.O. No.: 9672 RQN:

Project No.: 180012.1000.0000
Site Name: Eli Whitney Technical School
Location: Hamden State: CT
Sampler(s): R. Gille

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9= Deionized Water 10= ICE 11=

List preservative code below: 10

QA/QC Reporting Notes:
* additional charges may apply

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=Concrete X2= Brick X3=

MA DEP MCP CAM Report: Yes☐ No☐
CT DPH RCP Report: Yes☒ No☐

QA/QC Reporting Level
☐ Standard ☐ No QC ☐ DQA*
☐ NY ASP A* ☐ NY ASP B*
☐ NJ Reduced* ☐ NJ Full*
☐ TIER II* ☐ TIER V*
☐ Other

State-specific reporting standards:

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	PCBs (8082/3540)
24332-01	IE3-C35-60"	02/07/11	17:30	G	X1		1			X
-02	IE3-C36-60"	02/07/11	17:45	G	X1		1			X
-03	IC9-D55-24"	02/07/11	18:15	G	X1		1			X
-04	IC9-D56-30"	02/07/11	18:30	G	X1		1			X
-05	IC4-D57-4C	02/07/11	18:40	G	X1		1			X
-06	IC4-D58-4C	02/07/11	18:45	G	X1		1			X
-07	IC4-D59-4C	02/07/11	18:50	G	X1		1			X
-08	IC4-D60-4C	02/07/11	19:00	G	X1		1			X

Relinquished by:	Received by:	Date:	Time:	Temp°C
Richard R. Gille	T. Bender	02/08/11	10:10	4.6
T. Bender	[illegible]	2/8/11	15:15	3.4

☒ EDD Format Excel
☒ E-mail to rgille@trcsolutions.com

☐ Ambient ☐ Iced ☒ Refrigerated ☐ Fridge temp ____ °C ☐ Freezer temp ____ °C

00 31 26.36

BI-RT-837 Whitney –

Appendix E – Concrete SOP

REGION I, EPA-NEW ENGLAND

DRAFT
STANDARD OPERATING PROCEDURE
FOR SAMPLING CONCRETE IN THE FIELD

U.S. EPA-NEW ENGLAND
Region I
Quality Assurance Unit Staff
Office of Environmental Measurement and Evaluation

Prepared by: Alan W Peterson — **Date:** 12/30/97
Quality Assurance Chemist

Reviewed by: Andrew Beliveau — **Date:** 12/30/97
Senior Technical Specialist

Approved by: Nancy Barmakian — **Date:** 12/30/97
Branch Chief

Region I, EPA New England

Standard Operating Procedure for Sampling Concrete in the Field

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Region I, EPA New England

Standard Operating Procedure for Sampling Concrete in the Field

1.0 Scope and Application

The following Standard Operating Procedure (SOP) describes a concrete sampling technique which uses an impact hammer drill to generate a uniform, finely ground, powder which is easily homogenized, extracted and analyzed. This procedure is primarily geared at providing enough sample for one or two different analyses at a time. That is, the time required to generate sufficient sample for a full sweet of analyses may be impractical. The concrete powder is suitable for all types of environmental analyses, with the exception of volatile compounds, and may be analyzed in the field or at a fixed laboratory. This procedure is applicable for the collection of samples from concrete floors, walls, and ceilings.

The impact hammer drill is far less labor intensive than previous techniques using coring devices, or hammers and chisels. It allows for easy selection of sample location and sample depth. Not only can the project planner control the depth to sample into the concrete, from surface samples (0 - ½ inch) down to a core of the entire slab, but the technique can also be modified to collect samples at discrete depths within the concrete slab.

Another issue with concrete sampling is the fact that the amount of time spent drilling translates into the weight of sample produced. Thus, to maximize sampling time, it is important to know the minimum amount of sample required for each analysis. To do this, the project planner should take the following steps: 1) Use the Data Quality Objective (DQO) process and familiarity with the site to develop the objectives of the sampling project and the depth(s) of sample to be collected. 2) Review the site history and any previous data collected to determined possible contaminants of concern. 3) Establish the action levels for those possible contaminants and determine the appropriate analytical methods (both field and/or fixed laboratory) to meet the DQOs of the project. 4) Based on the detection limits of these methods, determine the amount of sample required for each analysis and the total sample weight require for each sample location (including quality control samples).

As with any environmental data collection project, all aspects of a concrete sampling episode should be well thought out, prior to going out in the field, and thoroughly described in a Quality Assurance Project Plan (QAPP). The QAPP should clearly state the DQOs of the project and document a complete Quality Assurance/Quality Control program to reconcile the data generated with the established DQOs. For more information on these subjects, refer to EPA documents QA/R-5, EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations, and QA/G-4, Guidance for the Data Quality Objective Process.

2.0 Method Summary

A one-inch diameter carbide drill bit is used in a rotary impact hammer drill to generate a fine concrete powder suitable for analysis. The powder is placed in a sample container and homogenized for field or fixed laboratory analysis. The procedure can be used to sample a single depth into the concrete, or may be modified to sample the concrete at distinctly different depth zones. The modified depth sampling procedure is designed to minimize any cross contamination between the sampling zones. If different

sampling depths are required, two different diameter drill bits and a vacuum sampling apparatus are employed.

3.0 Health and Safety

Eye and hearing protection are required at all times during sample drilling. A small amount of dust is generated during the drilling process. Proper respiratory protection and/or a dust control system must be in place at all times during sampling.

4.0 Interferences and Potential Problems

Since this sampling technique produces a finely ground uniform powder, physical matrix effects from variations in the sample consistency (i.e., particle size, uniformity, homogeneity, and surface condition) are minimized. Matrix spike analysis of a sample is highly recommended to monitor for any matrix related interferences.

As stated in Section 1.0 above, this sampling procedure is not recommended for volatile organic compound (VOC) analysis. The combination of heat generated during drilling and the exposure of a large amount of surface area will greatly reduce VOC recovery. If low boiling point semi-volatile compounds (i.e., naphthalene) are being analyzed, then the drill speed should be reduced to minimize heat build-up.

5.0 Equipment and Supplies

5.1 Single Depth Concrete Sampling

5.1.1 Rotary impact hammer drill
5.1.2 1-inch diameter carbide drill bits
5.1.3 Stainless steel scoopulas
5.1.4 Stainless steel spoonulas (for collecting sample in deeper holes, >2-inches)
5.1.5 Rectangular aluminum pans (to catch concrete during wall and ceiling sampling)
5.1.6 Gasoline powered generator (if alternative power source is required)

5.2 Multiple Depth Sampling (in addition to all the above)

5.2.1 ½ inch diameter carbide drill bits
5.2.2 Vacuum/sample trap assembly (see Section 7.2 and Figure 1)

5.2.2.1 Vacuum pump
5.2.2.2 2-hole rubber stopper
5.2.2.3 Glass tubing (to fit stopper)
5.2.2.4 Large glass test tubes, or Erlenmeyer flasks, for sample trap (several are suggested)
5.2.2.5 Polyethylene tubing for trap inlet (Tygon tubing may be used for the trap outlet)
5.2.2.6 Pasture pipets
5.2.2.7 Pipe cleaners
5.2.2.8 In-line dust filter (glass fiber filter, or equivalent)

6.0 Sample Containers, Preservation, and Storage

Concrete samples must be collected in glass containers for organic analyses, and may be collected in either glass or plastic containers for inorganic analyses. In general, a 2-ounce sample container with Teflon-lined cap (wide-mouth jars are preferred) will hold sufficient volume for most analyses. A 2-ounce jar can hold roughly 90 grams sample. Note, samples which require duplicate and/or matrix spike/matrix spike duplicate analyses may require a larger sample container, or additional 2-ounce sample containers.

Organic samples are to be shipped on ice and maintained at 4°C (± 2°C) until the time of extraction and analysis. Inorganic samples may be shipped and stored at room temperature. Refer to 40 CFR Part 136 for guidelines on analysis holding times.

To maintain sample integrity, chain-of-custody procedures must be implemented at the time of sampling to 1) document all sample locations and associated field sample identification numbers, 2) document all quality control samples taken, including field duplicates, split samples for confirmatory analyses, and PE samples, and 3) document the transfer of field samples from field sampler to field chemist or fixed laboratory.

7.0 Procedure

7.1 Single Depth Concrete Sampling

Lock a 1-inch diameter carbide drill bit into the impact hammer drill and plug the drill into an appropriate power source. (A gasoline generator will be needed if electricity is not available.) For easy identification, sample locations may be pre-marked using a crayon or a non-contaminating spray paint. (Note, the actual drilling point must not be marked.) Depending on the appearance of the sample location, or the objectives of the sampling project, it may be desired to wipe the concrete surface with a clean dry cloth prior to drilling. All sampling decisions of this nature should be noted in the sampling logbook. Begin drilling in the designated location. Apply steady even pressure and let the drill do the work. Applying too much pressure will generate excessive heat and dull the drill bit prematurely. The drill will provide a finely ground concrete powder that can be easily collected, homogenized and analyzed. Having several decontaminated impact drill bits on hand will help expedite sampling when numerous sample locations are to be drilled.

Sample Collection

A ½-inch deep hole (using a 1-inch diameter drill bit) generates about 10 grams of concrete powder. Based on this and the action levels for the project, determine the sampling depth, and/or the number of sample holes to be composited, to generate sufficient sample volume for all of the required analyses. (Note, with the absorbency of concrete, a ½-inch deep hole can be considered a surface sample.)

A decontaminated stainless steel scoopula can be used to collect the sample. The powder can either be collected directly from the surface of the concrete and/or the concrete powder can be scraped back into the hole and the less rounded back edge of the scoopula can be used to collect the sample. For holes greater than 2-inches in depth, a stainless steel spoonula will make it easier to collect the sample from the bottom of the hole.

To ensure collection of a representative sample when multiple analyses are required, a concrete sample should always be collected and homogenized in a single container and then divided up into the individual containers for the various analyses or split samples. This is particularly important when sample holes are deep, or when several holes are drilled adjacent to each other to form a sample composite.

Wall and Ceiling Sampling

A team of two samplers will be required for wall and ceiling sampling. The second person will be needed to hold a clean catch surface (i.e., an aluminum pan) below the drill to collect the falling powder. For wall samples, a scoopula, or spoonula, can be used to collect remaining concrete powder from within the hole. For ceiling holes, it may be necessary to drill the hole at an angle so the concrete powder can fall freely in the collection plan (and avoid falling on the drill). Another alternative might be to use the chuck-end of the drill bit and punch a hole through the center of the collection pan. The drill bit is then mounted through the pan and into the drill. Thus, the driller can be drilling straight up while the assistant steadies the pan to catch the falling dust. As a precaution, it may be advantageous to tape a piece of plastic around the drill, just below the chuck, to avoid dust contaminating the body of the drill and entering the mechanical vents. (Note, the plastic should deflect dust from the drill, but be loose enough underneath to allow for proper ventillation.)

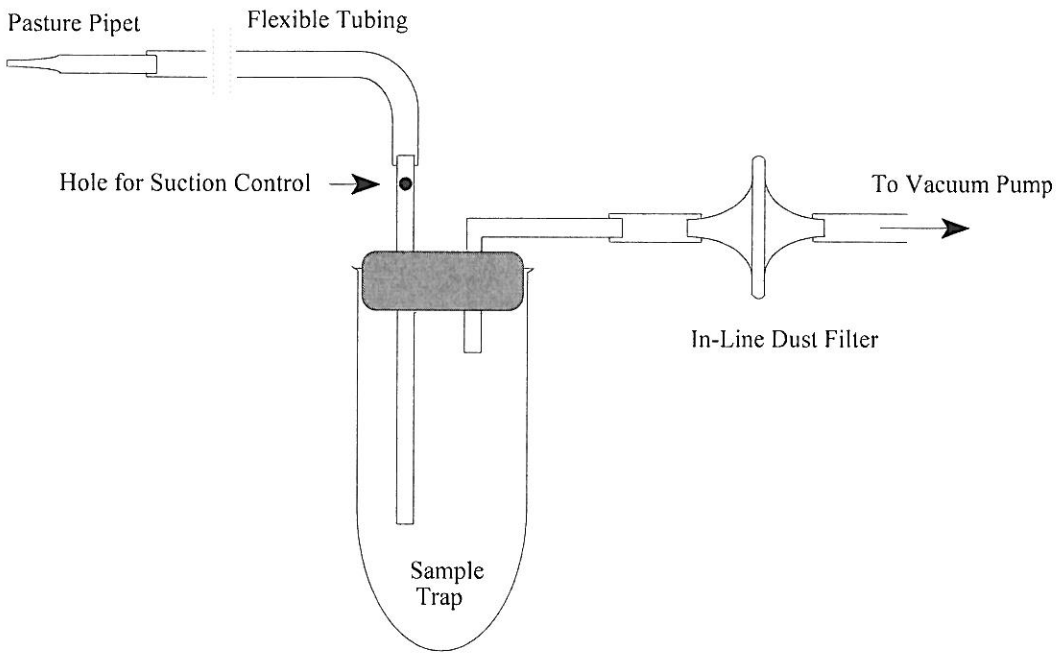
7.2 Multiple Depth Concrete Sampling

The above method for concrete sampling can also be used to collect samples from different depths within the concrete. To do this, two different sized drill bits (i.e., ½ inch and 1 inch) and a simple vacuum pump with a vacuum trap assembly is required (see Figure 1). First, the 1 inch drill bit is used to drill to the first level and the concrete sample is collected as described in Section 7.1. The vacuum pump is then turned on and the hole is cleaned out using the vacuum trap assembly. The drill bit is then changed to the ½ inch bit and the next depth is drilled out (the ½ inch bit is used to avoid contact with the sides of the first hole). A clean tube or flask is placed on the vacuum trap, and the sample from the second drilling is collected. To go further, the 1 inch drill is used to open up the hole to the second level, the hole is cleared, and then the ½ inch drill is used again to go to a third level, etc. Note, the holes and concrete surface should be vacuumed thoroughly to minimize any cross-contamination between sample depths.

Vacuum Trap Design and Clean-out

The trap presented in Figure 1 is a convenient and thorough way for collecting and removing concrete powder from drilled holes. The trap system is designed to allow for control of the suction from the vacuum pump and easy trap clean-out between samples. Note, by placing a hole in the inlet tube (see Figure 1), a finger on the hand holding the trap can be used to control the suction at the sampling tip. Thus, when this hole is left completely open, there will be no suction, and the sampler can have complete control over where and what to sample. To change-out between samples the following steps should be taken: 1) The pasture pipet and piece of polyethylene tubing at the sample inlet should be replaced with new materials, 2) the portion of the rubber stopper and glass tubing that was in the trap should be wiped down with a clean damp paper towel (wetted with deionized water) and then dried with a fresh paper towel, 3) a clean pipe cleaner should be drawn through the glass inlet tube to remove any concrete dust present, and 4) the glass tube or flask used to collect the sample should swapped out with a clean decontaminated sample trap. Having several clean tubes or flasks on hand will facilitate change-out between samples.

Figure 1



7.3 Decontamination Procedure

Necessary supplies for decontamination include: two small buckets, a scrub brush, potable water, deionized water, a squirt bottle for the deionized water, and paper towels. The first bucket contains a soap and potable water solution, and the second bucket contains just potable water. Place all used drill bits and utensils in the soap and water bucket. Scrub each piece thoroughly using the scrub brush. Note, the concrete powder does cling to the metal surfaces, so care should be taken during this step, especially with the twists and curves of the drill bits. Next, rinse each piece in the potable water bucket, and follow with a deionized water rinse from the squirt bottle. Place the deionized water rinsed pieces on clean paper towels and individually dry and inspect each piece. Note, all pieces should be dry prior to reuse.

8.0 Field Documentation

All Site related documentation and reports generated from concrete sampling should be maintained in the central Site file. If personal logbooks are used, legible copies of all pertinent pages must be placed in the Site file.

8.1 Field Logbooks

All field documentation should be maintained in bound logbooks with numbered pages. If loose-leaf logsheets are used to document site activities, extra care should be taken in keep track of all logsheets. The original copy of all logsheets should be maintained in the central Site file. Note, all sample locations must be documented by tying in their location to a detailed site map, or by using two or more permanent landmarks. The following information should be documented in the field logbooks:

- Site name and location,
- EPA Site Manager,
- Name and affiliation of field samplers (EPA, Contractor company name, etc.),
- Sampling date,
- Sample locations and IDs,
- Sampling times and depths, and
- Other pertinent information or comments

8.2 Sample Labeling and Chain-of-Custody

8.2.1 Sample Labels

Sample labels will be affixed to all sample containers. Labels must contain the following information:

- Project name,
- Sample number, and/or location
- Date and time of sampling,
- Analysis,
- Preservation, and
- Sampler's name.

8.2.2 Chain-of-Custody

All samples must be traced from collection, to shipment, to laboratory receipt and laboratory custody. The Chain-of-Custody (COC) Record is a multi-part form that is initiated as samples are acquired and accompanies a sample (or group of samples) as they are transferred from person to person. The COC form is signed by all individuals responsible for sampling, sample transport, and laboratory receipt. (Note, overnight deliver services, often used with sample transport, are exempt from having to sign the COC form. However, copies of all shipping invoices must be kept with the COC documentation.) One copy of the COC is retained by the field sampling crew, while the original (top, signed copy) and remaining carbonless copies are placed in a zip-lock bag and taped to the inside lid of the shipping cooler. If multiple coolers are required for a sample shipment to a single laboratory, the COC need only be sent with one of the coolers. The COC should state how many coolers are included with the shipment. All sample shipments to different laboratories require individual COC forms. The original COC form accompanies the samples until the project is complete, and is then kept in the permanent project file. A copy of the COC is also kept with the project manager, the laboratory manager, and attached to the data package.

8.2.3 Custody Seal

The Custody seal is an adhesive-backed label which is also part of the chain-of-custody process. The custody seal is used to prevent tampering with the samples after they have been collected in the field and sealed in coolers for transit to the laboratory. The Custody seals are signed and dated by a sampler and affixed across the opening edges of each cooler containing samples. Clear packing tape should be wrapped around the cooler, and over the Custody seal, to secure the cooler and avoid accidental tampering with the Custody seal.

9.0 Quality Assurance and Quality Control (QA/QC)

A solid QA/QC program is essential to establishing the quality of the data generated so that proper project decisions can be made. The following are key quality control elements which should be incorporated into a concrete sampling and analytical program.

9.1 Equipment Blanks

An equipment blank should be performed on decontaminated drill bits and collection utensils at a frequency of 1 per 20 samples or 1 per day, whichever is greater. To prepare the equipment blank, place the decontaminated drill bit and utensils in a large clean stainless steel bowl. Pour sufficient deionized water into the bowl to fill all of the required sample containers. Next, stir the drill bit and utensils in the bowl with a clean utensil to thoroughly mix the blank. Finally, decant off the equipment blank into the sample containers. Note, a clean funnel may help to pour off the equipment blank into the containers.

9.2 Field Duplicates

Field duplicates are samples collected adjacent to each other (collocated) at the same sample location (not two aliquots of the same sample). Field duplicates not only help provide an indicator of overall precision, but measure the cumulative effects of both the field and analytical precision, and also measure the representativeness of the sample. Field duplicates must be prepared and analyzed at a frequency of 1 per 20 samples or 1 per non-related concrete matrix, whichever is greater. An example of a non-related concrete matrix might be the investigation of two different types of chemical spills.

Calculate the Relative Percent Difference (RPD) between the sample and its duplicate using Equation 1.

Equation 1

$$RPD = \frac{|S - D|}{\frac{(S + D)}{2}} \times 100$$

Where:

S = Original sample result
D = Duplicate sample result

The following general guidelines have been established for field duplicate criteria:

- If both the original and field duplicate values are ≥ practical quantitation limit (PQL), then the control limit for RPD is ≤50%,
- If one or both values are < PQL, then do not assess the RPD.

If more rigorous field duplicate criteria are needed to achieve project DQOs, then that criteria should be documented in the project QAPP.

If the field duplicate criteria specified above are not met, then flag that target element with an "*" on the final report for both the original and field duplicate samples. Report both the original and field duplicate analyses; do not report the average. Field duplicate samples should should be indicated on the sample ID. For example, the sample ID can contain the the suffix "FD".

9.3 Laboratory Duplicates

Laboratory duplicates are two aliquots of the same sample that are prepared, homogenized and analyzed in the same manner. (Note, proper sample homogenization is critical in producing meaningful results.) The precision of the sample preparation and analytical methods is determined by performing a laboratory duplicate analysis. Laboratory duplicates can be prepared in the field and submitted as blind samples, or the laboratory can be requested to perform the laboratory duplicate analysis. In the case of laboratory prepared duplicates, the field sampling team must be sure to provide sufficient sample volume. Laboratory duplicates must be prepared and analyzed at a frequency of 1 per 20 samples or 1 per non-related concrete matrix, whichever is greater.

Calculate the RPD between the sample and its duplicate using Equation 1. The following general guidelines have been established for laboratory duplicate criteria:

- If both the original and laboratory duplicate values are ≥ PQL, then the control limit for RPD is ≤25%,
- If one or both values are < PQL, then do not assess the RPD.

If duplicate criteria are not met, then flag that target element with an "*" on the final report for both the original and duplicate samples. Report both the original and duplicate analyses; do not report the average.

9.4 Matrix Spike/Matrix Spike Duplicate Samples

Matrix spike/matrix spike duplicate samples (MS/MSDs) are two additional aliquots of a sample which are spiked with the appropriate compound(s) or analyte(s) of concern and then prepared and analyzed along with the original sample. (Note, proper sample homogenization, prior to spiking, is critical in producing meaningful results.) MS/MSDs help evaluate the effects of sample matrix on the analytical methods being used. The field sampling team must provide sufficient sample volume such that the field or fixed laboratory can prepare and analyze MS/MSDs at a frequency of 1 per 20 samples or 1 per non-related concrete matrix, whichever is greater.

Calculate the recovery of each matrix spike compound or analyte using Equation 2.

Equation 2

$$MSR = \frac{SSR - SR}{SA} x\ 100$$

Where,

MSR	=	Matrix Spike Recovery,	SA	=	Spike Added
SSR	=	Spiked Sample Result,	SR	=	Sample Result

Calculate the relative percent difference (RPD) between the recoveries of each compound or analyte in the matrix spike and matrix spike duplicate using Equation 3.

Equation 3

$$RPD = \frac{|\ MSR - MSRD\ |}{\frac{(MSR + MSRD)}{2}} x\ 100$$

Where,

MSR = Matrix Spike Recovery
MSRD = Matrix Spike Duplicate Recovery

9.5 Performance Evaluation Samples

In accordance with the EPA Region I Performance Evaluation Program Guidance, performance evaluation (PE) samples should be submitted for each type of analysis to be performed in the field or by the fixed laboratory performing full protocol EPA methods. PE samples provide information on the quality of the individual data packages. PE samples are certified standard reference materials (SRMs) from a source other than that used to calibrate the instrument. If both field and fixed laboratories are being used to analyze samples, at least one solid PE sample should undergo both field analysis and confirmatory full protocol EPA method analysis to facilitate data comparability. A copy of the certified values for the SRM must be submitted with the final data packages to facilitate data evaluation.

9.6 Data Verification and Validation

All field data and supporting information (including chain-of-custody) that is collected during a concrete sampling episode should be verified daily, by a person other than that performing the work, to check for possible errors.

During the project planning process, a plan for data validation should be established for all data, both for field and fixed laboratories. All data must be validated to assure that it is of a quality suitable to make project decisions. For help in developing a data validation program refer to Region I, EPA New England, Data Validation Functional Guidelines for Evaluating Environmental Analyses.

9.7 Audits

9.7.1 Internal Audits

As part of the Quality Assurance/Quality Control Program for any sampling project, a series of internal audit checks should be instituted to monitor and maintain the integrity of the sample collection process. Timely internal reviews will insure that proper sampling, decontamination, chain-of-custody and quality control procedures are being followed. Also, the internal audit review is there to monitor any corrective actions taken, and/or institute corrective actions that should have been taken and were not. All corrective actions taken must be documented in an appropriate logbook, and if any corrective actions impact the final data reported, then they must also be documented in the final report narrative. The results of all internal audits must be documented in a report, and copies of the report issued to the Project Manager and the Quality Assurance Manager. The original copy of any audit report must remain with the main project file and be available for review.

9.7.2 External Audits

The Agency reserves the right to perform periodic field audits to ensure compliance with this SOP.

10.0 References

1) Guidance for the Data Quality Objective Process, QA/G-4, EPA/600/R-96/055, September 1994.

2) EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations, QA/R-5, Interim Final, October 1997.

3) Guidance for the Preparation of Standard Operating Procedures for Quality-related Operations, QA/G-6, EPA/600/R-96/027, November 1995.

4) Region I, EPA-New England Data Validation Functional Guidelines for Evaluating Environmental Analyses, July 1996.

5) EPA Region I Performance Evaluation Program Guidance, July 1996.

6) U.S. EPA Code of Federal Regulations, 40 CFR, Part 136, Appendix B, Revised as of July 1995.

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BI-RT-837 Whitney –

Appendix F –

Notification & Certification Letter

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC WORKS

Jonathan P. Holmes
Acting Commissioner

June 14, 2011

Kimberly N. Tisa
Region 1 PCB Administrator
United States Environmental Protection Agency
1 Congress Street, Suite 1100-CPT
Boston, MA 02114-2023

Via Mail

Re: Notification and Certification Pursuant to 40 CFR 761.61(a)(3)(i)(E)
Self-Implementing Cleanup Plan for Eli Whitney Technical High School
71 Jones Road, Hamden, CT

Dear Ms. Tisa:

Attached is a copy of the remedial plan developed to address PCB-containing building materials at the Eli Whitney Technical High School for review by EPA. Implementation of this plan will allow for the safe removal and proper disposal of PCB-containing materials prior to the demolition and renovation of structures located at the site. This letter and the attached remedial plan constitute the notification required to federal authorities at least 30 days prior to the date of initiating remediation under §761.61(a)(3)(i). Work will not commence without having received approval from EPA. This letter and attached remedial plan will also be forwarded to state officials at the Connecticut Department of Environmental Protection, and local officials with the Town of Hamden to satisfy requirements for notification of state and local officials.

This certification is to accompany the Self-Implementing Cleanup Plan for the removal and abatement of building materials and soil remediation work to be performed prior to and during renovation and demolition of structures at the site. The contract for this work shall be administered by the Connecticut Department of Public Works. The site is owned by the Connecticut Department of Education. TRC Environmental (TRC) has prepared this plan under the provisions specified in §§761.61(c) and 761.61(a) for the remedial work to be performed at the site.

Certification Pursuant to 40 CFR 761.61(a)(3)(i)(E)

I certify that all sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site are on file at the offices of TRC Environmental, 21 Griffin Road North, Windsor, Connecticut, and are available for EPA inspection.

If you have any questions you may contact Rebecca Cutler at 860-713-5762 or via email at rebecca.cutler@ct.gov.

Sincerely

Allen V. Herring, P.E.
Chief Engineer
Connecticut Department of Public Works

CC: Lori Saliby, CTDEP
Gary Trombly, CTDEP
Bridget Heston, Principal, Eli Whitney Technical High School
Scott D. Jackson, Mayor, Town of Hamden
Al Richmond, CTDOE
John Woodmansee, CTDOE
Natalina Raimondi, CTDPW
Joseph Cassidy, CTDPW
Rebecca Cutler, CTDPW

Attachments

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EPA SIP Comment

Letter 09-21-11

FILE COPY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MASSACHUSETTS 02109-3912

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

September 21, 2011

Rebecca A. Cutler
Connecticut Department of Construction Services
Technical Services-Environmental Planning and GIS Services
165 Capitol Avenue, Room 275
Hartford, Connecticut 06106

Re: PCB Cleanup and Disposal Notification under 40 CFR § 761.61(a)(3)
Eli Whitney Technical High School
Hamden, Connecticut

Dear Ms. Cutler:

The US Environmental Protection Agency - New England (EPA) received a Notification dated June 2011 to address PCB contamination at the Eli Whitney Technical High School, 71 Jones Road, Hamden, Connecticut (the Site). Specifically, the Notification indicated that non-liquid PCBs (i.e., caulk) and *PCB remediation waste* (e.g., concrete, concrete masonry unit (CMU) and brick) are present at the Site, which require cleanup under the federal PCB regulations at 40 CFR Part 761.

With respect to Notification, EPA has determined that the Notification is incomplete and does not meet the requirements at 40 CFR § 761.61(a)(3). The PCB Regulations at § 761.61(a) require that a complete Notification in accordance with 40 CFR § 761.61(a)(3) be submitted to EPA.

Comments on the Notification follow:

1. Page 4, Section 1.3 – This section indicates that the renovation activities include the removal of exterior and many interior walls in each wing as well as construction of additions to the building. This section also indicates that the renovation/demolition activities will be executed in phases.

    a. Are drawings available which illustrate which exterior and/or interior walls will be demolished? If so, please provide.

    b. As the work will be executed in phases, it would be helpful to understand when each phase will start and which area/areas will be included in each phase.

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c. As the PCB remedial activities include both interior and exterior remediation, please also clarify how the interior and exterior work will be phased.

2. Page 9. Section 2.2.1 Interior Building Material Substrates. The statement is made that the detected concentrations of PCBs in the adjacent substrates are no greater than 12.0 mg/kg. Table 2 only has samples taken from 6 inches from the joint. Since samples were not taken at the caulk line, concentrations in the adjacent substrates closer to the caulk are likely greater than the 12 mg/kg cited.

3. Page 13. Section 2.2.4 – IC4 (Paragraph 2).

   a. Please clarify disposition of the limestone sill as sampling indicates that the PCB concentration is also greater than (>) 1 part per million (ppm) in this substrate.

   b. How many linear feet (lf) of limestone sill associated with IC4 are present at the Site?

4. Page 15. Section 2.2.4 - IC9. For purposes of characterization and/or verification sampling, 40 CFR Subparts N and O require that a minimum of 3 samples for each type of bulk PCB remediation waste or porous surface be collected, regardless of the amount that is present. The alternative sampling that was discussed between EPA and TRC previously, was not meant to supersede certain minimum requirements. Generally, an alternative sampling procedure would be considered when large quantities or many linear feet of a certain PCB product is present such that Subpart N (every 10 linear feet for characterization) or O (every 5 linear feet for verification) would not be practicable. Therefore, the 1 pre-verification sample collected from the substrate in contact with the IC9 caulk would be insufficient to verify that all of the PCB contaminated substrate (approximately 25 lf) had been removed.

5. Page 24. Section 3.1 - Since this building will be occupied during construction, additional information is required on dust monitoring.

   a. For interior monitoring, please clarify means and methods for monitoring of total suspended particulates.

   b. The monitoring plan for exterior work is insufficient. OSHA limits may not be applicable to building users. Please also note that there is a National Ambient Air Quality Standard for PM_{10} total dust of 150 $\mu g/m^3$, which should be included in this plan.

6. Page 25, Section 3.3.1. – There is reference to moveable equipment and furniture that will be removed prior to abatement activities.

   a. Has any recent surface wipe sampling of these types of materials been conducted?

   b. Is any cleaning and/or sampling planned for these materials prior to placement back in the "cleaned" areas?

7. Page 28, Section 3.4 – This section indicates that wipe samples will be collected from each containment area. It is unclear what is meant by "containment area". Thus further clarification is requested on the re-occupancy testing.

    a. With respect to the "containment area", will the entire interior of the room be sealed or just around the area where the *PCB bulk product waste* is located (e.g., around the doors and/or window area)?

    b. If the "containment area" includes only the area in the location of the *PCB bulk product waste*, it is unclear exactly where the wipe samples will be collected. The Notification indicates that the interior "containment areas" will be lined with poly and placed under negative pressure (pp. 25-26), Will wipe sampling be conducted following removal of the poly and containment structure?

    c. Post-abatement sampling should include air monitoring for PCBs given that interior abatement activities will occur.

8. Pages 28 and 29. With respect to the pre-verification sampling, the Notification indicates that the sampling criteria were not met for all caulk types; thus, verification sampling will be conducted.

    a. Based on EPA's review of the Notification, it appears that verification sampling in only proposed for the following building substrates: IC4 and IE3. Please confirm this is correct.

    b. For IC4, the Notification indicates that 1 course of CMU will be removed followed by 1 verification sample every 50 LF. Table 4 indicates that following removal of 1 course of CMU, PCBs were found at > 1 ppm in at least 1 sample. Thus, it appears that removal of 1 CMU course would be insufficient to meet the less than or equal to (≤) 1 ppm PCB cleanup standard for unrestricted use.

    c. For IE3, the Notification indicates that 1 course of CMU will be removed followed by 1 verification sample every 50 LF. EPA assumes that the CMU is generally 12-inches wide. Table 4 indicates that PCBs > 1 ppm were identified at > 48 inches from the caulk. Thus, it appears that the proposed removal would be insufficient to meet the ≤1 ppm PCB cleanup standard for unrestricted use.

    d. Please note that the alternative sampling from the Subpart O verification sampling must be justified. The 50-foot sampling interval was based on meeting specific criteria. It does not appear that this same criteria is being applied to these caulk types for the samples to be collected. Further, given that the current data indicates exceedances of the 1 ppm PCB cleanup standard at the proposed "cut lines", the alternative sampling has not been adequately supported in the Notification for these caulk types.

9. Table 2. The locations of the substrate sample should be cross-referenced with the sample location for the PCB bulk product waste (i.e., caulk and glazing). This can be done as a Table or, preferably, by placing both sampling locations on the applicable figure.

10. Please be aware that EPA has a revised its *Porous Surfaces* sampling SOP to include concrete.

Should you have any questions regarding the above or questions on the PCB regulations found at 40 CFR Part 761, please feel free to call me at (617) 918-1527 or Katherine Woodward at (617) 918-1353.

Sincerely,

Kimberly N. Tisa, PCB Coordinator (OSRR07-2)
Remediation & Restoration II Branch

cc: Erik Plimpton, TRC
Gary Trombly, CTDEEP
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Whitney Tech Response to EPA 09-21-11 Comments on PCB SIP

November 22, 2011

Ms. Kimberly N. Tisa
PCB Coordinator
United States Environmental Protection Agency
Region 1
5 Post Office Square, Suite 100
Boston, MA 02109-3912

Subject: Response To Comments
PCB Cleanup and Disposal Notification under 40 CFR 761.61(a)(3)
Eli Whitney Technical High School
Hamden, Connecticut
TRC Project No. 180012.4000

Dear Ms. Tisa:

Enclosed please find responses to the EPA comments provided in the letter dated September 21, 2011 pertaining to the PCB Self-Implementing Cleanup Plan (SIP) prepared for the above noted site in June, 2011. Each comment provided is restated, followed by the *response*.

1. Page 4, Section 1.3 – This section indicates that the renovation activities include the removal of exterior and many interior walls in each wing as well as construction of additions to the building. This section also indicates that the renovation/demolition activities will be executed in phases.

    a. Are drawings available which illustrate which exterior and/or interior walls will be demolished? If so, please provide.

    See attached drawings D-101 through D-112

    b. As the work will be executed in phases, it would be helpful to understand when each phase will start and which area/areas will be included in each phase.

    See attached drawings PH-101, PH-102, PH-103, CP-1.0, CP-1.1, CP-1.2, CP-1.3, CP-2.1, CP-2.2, CP-3.0 and Specification Section 01010 Summary of Work Section 1.3 Work Sequence (Phasing)

    c. As the PCB remedial activities include both interior and exterior remediation, please also clarify how the interior and exterior work will be phased.

    See attached drawings PH-101, PH-102, PH-103, CP-1.0, CP-1.1, CP-1.2, CP-1.3, CP-2.1, CP-2.2, CP-3.0 and Specification Section 01010 Summary of Work Section 1.3 Work Sequence (Phasing)

2. Page 9. Section 2.2.1 <u>Interior Building Material Substrates</u>. The statement is made that the detected concentrations of PCBs in the adjacent substrates are no greater than 12.0 mg/kg.

Table 2 only has samples taken from 6 inches from the joint. Since samples were not taken at the caulk line, concentrations in the adjacent substrates closer to the caulk are likely greater than the 12 mg/kg cited.

Noted, agreed.

3. Page 13. Section 2.2.4 – IC4 (Paragraph 2).

    a. Please clarify disposition of the limestone sill as sampling indicates that the PCB concentration is also greater than (>) 1 part per million (ppm) in this substrate.

    Limestone sill in contact with IC4 will be removed and disposed of as PCB Remediation Waste along with the CMU.

    b. How many linear feet (lf) of limestone sill associated with IC4 are present at the Site?

    Approximately 597 linear feet of limestone sill, in Wings B and D, in contact with IC4.

4. Page 15. Section 2.2.4 – IC9. For purposes of characterization and/or verification sampling, 40 CFR Subparts N and O require that a minimum of 3 samples for each type of bulk PCB remediation waste or porous surface be collected, regardless of the amount that is present. The alternative sampling that was discussed between EPA and TRC previously, was not meant to supersede certain minimum requirements. Generally, an alternative sampling procedure would be considered when large quantities or many linear feet of a certain PCB product is present such that Subpart N (every 10 linear feet for characterization) or O (every 5 linear feet for verification) would not be practicable. Therefore, the 1 pre-verification sample collected from the substrate in contact with the IC9 caulk would be insufficient to verify that all of the PCB contaminated substrate (approximately 25 lf) had been removed.

    To facilitate compliance with the minimum sampling levels required, 2 additional CMU substrate samples have been collected from the 30" distance from IC9. See data attached.

5. Page 24. Section 3.1 – Since this building will be occupied during construction, additional information is required on dust monitoring.

    a. For interior monitoring, please clarify means and methods for monitoring of total suspended particulates.

    Sampling for total suspended particulates will be performed using a real-time hand held industrial hygiene monitoring device, such as the TSI Dust-Trak or equivalent.

    b. The monitoring plan for exterior work is insufficient. OSHA limits may not be applicable to building users. Please also note that there is a National Ambient Air Quality Standard for PM_{10} total dust of 150 ug/m^3, which should be included in this plan.

    Exterior monitoring for total dust levels shall also be performed using real time hand held instruments and shall include comparisons of readings against both the OSHA

PEL as well as the NAAQS 24-hr TWA of 150 ug/m^3.

6. Page 25, Section 3.3.1 – There is reference to moveable equipment and furniture that will be removed prior to abatement activities.

   a. Has any recent surface wipe sampling of these types of materials been conducted?

      Yes, surface wipe sampling was conducted in March 2010. This sampling included targeted sampling from 5 rooms which contained the greatest caulk/glaze source strength, as well as from the cafeteria and break rooms. In each room the targeted sampling protocol included collecting samples to be representative of high contact probability areas (desk tops), which is indeed from moveable equipment and furniture which would now be removed prior to abatement activities. No elevated dust samples above the EPA/CTDEP/CTDPH school guidance level of 1.0 ug/100cm^2 were identified from the moveable desk top area samples collected.

   b. Is any cleaning and/or sampling planned for these materials prior to placement back in the "cleaned" areas?

      No

7. Page 28, Section 3.4 – This section indicates wipe samples will be collected from each containment area. It is unclear what is meant by "containment area". Thus further clarification is requested on the re-occupancy testing.

   a. With respect to the "containment area", will the entire interior of the room be sealed or just around the area where the *PCB bulk product waste* is located (e.g., around the doors and/or window area)?

      Exact extents of each work space "containment area" will be at the discretion of the abatement contractor, likely just around the areas of PCB Bulk Product Waste/PCB Remediation Waste abatement, to minimize the work space to be impacted by the abatement.

   b. If the "containment area" includes only the area in the location of the *PCB bulk product waste*, it is unclear exactly where the wipe samples will be collected. The Notification indicates that the interior "containment areas" will be lined with poly and placed under negative pressure (pp. 25-26). Will wipe sampling be conducted following removal of the poly and containment structure?

      Yes, reoccupancy wipe samples would be collected from the floor, sill or other horizontal surface after removal of floor poly but prior to deregulating the area.

   c. Post-abatement sampling should include air monitoring for PCBs given that interior abatement activities will occur.

      CTDCS respectfully disagrees. Each interior abatement area will be performed using a full negative pressure enclosure with HEPA filtered exhaust to collect all

airborne dust generated and ventilate the work areas. In addition, monitoring for interior real time total dust levels will be performed as specified above. Further, targeted indoor air sampling for PCB levels following EPA Method TO-10A/EPA Method 3540C/680 (PCB Homolog with Soxhlet Extraction) was previously performed at the site in February 2010, with no engineering controls (e.g. negative pressure ventilation) installed, and was implemented with a biased targeted strategy toward the areas/rooms which contained the highest caulk/glaze PCB source strength. No elevated air samples above the EPA September 2009 guidance level of 450 ng/m^3 for students/staff in high schools were identified, and indeed 16 of 17 samples indicated no detectable levels.

8. Pages 28 and 29. With respect to the pre-verification sampling, the Notification indicates that the sampling criteria were not met for all caulk types; thus, verification sampling will be conducted.

    a. Based on EPA's review of the Notification, it appears that verification sampling is only proposed for the following building substrates: IC4 and IE3. Please confirm this is correct.

    Yes

    b. For IC4, the Notification indicates that 1 course of CMU will be removed followed by 1 verification sample every 50 LF. Table 4 indicates that following removal of 1 course of CMU, PCBs were found at >1 ppm in at least 1 sample. Thus, it appears that removal of 1 CMU course would be insufficient to meet the less than or equal to ($\leq$) 1 ppm PCB cleanup standard for unrestricted use.

    Remediation of substrate associated with IC4 is hereby amended and shall consist of 4 courses of CMU with 12 verification samples conducted following remediation.

    c. For IE3, the Notification indicates that 1 course of CMU will be removed followed by 1 verification sample every 50 LF. EPA assumes that the CMU is generally 12-inches wide. Table 4 indicates PCBs > 1 ppm were identified at >48 inches from the caulk. Thus, it appears that the proposed removal would be insufficient to meet the $\leq$1 ppm PCB cleanup standard for unrestricted use.

    Remediation of substrate associated with IE3 is hereby amended and shall consist of 60 inches of substrate with 20 verification samples conducted following remediation.

    d. Please note that the alternative sampling from the Subpart O verification sampling must be justified. The 50-foot sampling interval was based on meeting specific criteria. It does not appear that this same criteria is being applied to these caulk types for the samples collected. Further, given that the current data indicates exceedances of the 1 ppm PCB cleanup standard at the proposed "cut lines", the alternative sampling has not been adequately supported in the Notification for these caulk types.

    The revised remediation scope for IC4 and IE3 noted above, coupled with the additional substrate sampling noted in response 4 for IC9 allows for the alternative

verification sampling program of a 50 foot sampling interval to be justified.

9. Table 2. The locations of the substrate sample should be cross-referenced with the sample location for the PCB bulk product waste (i.e. caulk and glazing). This can be done as a Table or, preferably, by placing both sampling locations on the applicable figure.

   See revised Table 2 attached, which includes a column for the location of the respective PCB bulk product waste sample location in order to cross reference with the substrate sample locations.

10. Please be aware that EPA has revised its *Porous Surfaces* sampling SOP to include concrete.

    Noted, revised SOP will be utilized going forward.

If you have any questions, please call TRC at (860) 298-9692.

Very Truly Yours,

TRC

Erik R. Plimpton, P.E., CHMM
Program Manager

CC: R. Cutler, CTDCS
G. Trombley, CTDEEP

Enclosures

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Eli Revised SICP Revised Table 2

11-15-11

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

PCB Bulk Product Waste Sample ID	PCB Bulk Product Waste Description	PCB Bulk Product Waste Sample Location	PCB Concentration (mg/kg)	Building Substate Sample ID	Substrate Sample Location	Building Substrate Sample Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Interior Building Materials									
IE3	Off-white, interior vertical expansion joint caulk found at expansion joints between CMU block	Expansion joint located on the east side of the main hallway in Wing D	110,000	IE3-C-6''	Auto Body Shop west interior wall, Wing C	CMU 6" from caulked seam	10/25/2010	10/26/2010	0.854
				IE3-D-6''	Health Bldg west interior hallway wall, Wing D	CMU 6" from caulked seam	10/25/2010	10/26/2010	**2.69**
				IE3-D-10''	Health Bldg west interior hallway wall, Wing D	CMU 10" from caulked seam	10/23/2010	11/2/2010	**1.785[2]**
				IE3-C-10''	Auto Body Shop west interior wall, Wing C	CMU 10" from caulked seam	10/23/2010	11/2/2010	**1.160**
				IE3-B2-12"	Southern interior wall Wing B	Brick 12" from caulked seam	12/28/2010	1/4/2011	0.0612
				IE3-C2-18"	Auto Body Shop west interior wall, Wing C	CMU 18" from caulked seam	12/28/2010	1/4/2011	0.969
				IE3-B4-18"	Southern interior wall Wing B	CMU 18" from caulked seam	12/28/2010	1/4/2011	ND<0.0578
				IE3-D2-18"	Interior wall Wing D	CMU 18" from caulked seam	12/29/2010	1/5/2011	**1.95[2]**
				IE3-C1-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	12/28/2010	1/4/2011	0.916
				IE3-C3-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	12/28/2010	1/4/2011	0.401
				IE3-C4-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	12/28/2010	1/4/2011	**3.75[2]**
				IE3-C6-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	12/28/2010	1/4/2011	0.858
				IE3-C7-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	12/28/2010	1/4/2011	**2.24[2]**
				IE3-C8-24"	Auto Body Shop interior wall, Wing C	CMU 24" from caulked seam	12/30/2010	1/5/2011	**1.04**
				IE3-C9-24"	Auto Body Shop interior wall, Wing C	CMU 24" from caulked seam	12/30/2010	1/5/2011	**1.47[2]**
				IE3-B1-24"	Southern interior wall Wing B	Brick 24" from caulked seam	12/28/2010	1/4/2011	ND<0.0599
				IE3-B3-24"	Southern interior wall Wing B	CMU 24" from caulked seam	12/28/2010	1/4/2011	ND<0.052
				IE3-B5-24"	Southern interior wall Wing B	CMU 24" from caulked seam	12/28/2010	1/4/2011	0.317[2]
				IE3-B6-24"	Southern interior wall Wing B	CMU 24" from caulked seam	12/28/2010	1/5/2011	0.710[2]
				IE3-D1-24"	Interior wall Wing D	CMU 24" from caulked seam	12/29/2010	1/5/2011	**1.47[2]**
				IE3-D3-24"	Interior wall Wing D	CMU 24" from caulked seam	12/29/2010	1/5/2011	0.775
				IE3-D5-24"	Interior wall Wing D	CMU 24" from caulked seam	12/29/2010	1/5/2011	0.952
				IE3-D6-24"	Interior wall Wing D	CMU 24" from caulked seam	12/29/2010	1/5/2011	ND<0.0582
				IE3-C5-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	12/28/2010	1/4/2011	0.407
				IE3-D4-36"	Interior wall Wing D	CMU 36" from caulked seam	12/29/2010	1/5/2011	0.956

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Hamden, Connecticut

PCB Bulk Product Waste Sample ID	PCB Bulk Product Waste Description	PCB Bulk Product Waste Sample Location	PCB Concentration (mg/kg)	Building Substate Sample ID	Substrate Sample Location	Building Substrate Sample Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Interior Building Materials									
IE3	Off-white, interior vertical expansion joint caulk found at expansion joints between CMU block	Expansion joint located on the east side of the main hallway in Wing D	110,000	IE3-C10-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	1/22/2011	1/26/2011	**2.09**
				IE3-C12-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	1/22/2011	1/26/2011	0.806[2]
				IE3-C14-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	1/22/2011	1/26/2011	**1.05[2]**
				IE3-C16-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	1/22/2011	1/26/2011	0.581[2]
				IE3-B27-36"	East interior wall, southeast corner of Wing B	CMU 36" from caulked seam	1/22/2011	1/26/2011	0.0935
				IE3-B29-36"	East interior wall, southeast corner of Wing B	CMU 36" from caulked seam	1/22/2011	1/26/2011	0.194
				IE3-B31-36"	Southern interior wall, southwest corner of Wing B	CMU 36" from caulked seam	1/22/2011	1/26/2011	0.418[2]
				IE3-D35-36"	Interior wall, west side of hallway, north side of Wing D	CMU 36" from caulked seam	1/23/2011	1/26/2011	**1.159[2]**
				IE3-D37-36"	Interior wall, east side of hallway, central portion of Wing D	CMU 36" from caulked seam	1/23/2011	1/26/2011	**1.260**
				IE3-D39-36"	Interior wall, east side of hallway, central portion of Wing D	CMU 36" from caulked seam	1/23/2011	1/26/2011	**1.050**
				IE3-C11-48"	Auto Body Shop west interior wall, Wing C	CMU, 48" from caulked seam	1/22/2011	1/26/2011	**1.090**
				IE3-C13-48"	Auto Body Shop west interior wall, Wing C	CMU, 48" from caulked seam	1/22/2011	1/26/2011	**1.098[2]**
				IE3-C15-48"	Auto Body Shop west interior wall, Wing C	CMU, 48" from caulked seam	1/22/2011	1/26/2011	0.516
				IE3-C17-48"	Auto Body Shop west interior wall, Wing C	CMU, 48" from caulked seam	1/22/2011	1/26/2011	0.729
				IE3-B28-48"	East interior wall, southeast corner of Wing B	CMU, 48" from caulked seam	1/22/2011	1/26/2011	0.113
				IE3-B30-48"	East interior wall, southeast corner of Wing B	CMU, 48" from caulked seam	1/22/2011	1/26/2011	0.117
				IE3-B32-48"	Southern interior wall, southwest corner of Wing B	CMU, 48" from caulked seam	1/22/2011	1/26/2011	0.371[2]
				IE3-D36-48"	Interior wall, west side of hallway, north side of Wing D	CMU, 48" from caulked seam	1/23/2011	1/26/2011	0.603
				IE3-D38-48"	Interior wall, east side of hallway, central portion of Wing D	CMU, 48" from caulked seam	1/23/2011	1/26/2011	0.461
				IE3-D40-48"	Interior wall, east side of hallway, central portion of Wing D	CMU, 48" from caulked seam	1/23/2011	1/26/2011	0.825
				IE3-C35-60"	Auto Body Shop west interior wall, Wing C	CMU, 60" from caulked seam	2/7/2011	2/10/2011	0.192
				IE3-C36-60"	Auto Body Shop west interior wall, Wing C	CMU, 60" from caulked seam	2/7/2011	2/10/2011	0.245[2]
IDC4	Pliable gray caulk found around interior door frames between the frame and CMU block	Door frame caulk around classroom door, west side of the main hallway in Wing D	43,000	IDC4-D-6''	LPN Theory room, east interior wall, Wing D	Concrete 6" from caulked seam	10/25/2010	10/26/2010	**2.09[2]**
				IDC4-D-9''	LPN Theory room, east interior wall, Wing D	Concrete 9" from caulked seam	10/23/2010	11/2/2010	**1.502[2]**
				IDC4-D18-12"	LPN Theory room, east interior wall, Wing D	Concrete 12" from caulked seam	12/29/2010	1/5/2010	**1.37**

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Hamden, Connecticut

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Interior Building Materials									
IDC4	Pliable gray caulk found around interior door frames between the frame and CMU block	Door frame caulk around classroom door, west side of the main hallway in Wing D	43,000	IDC4-D20-12"	LPN Theory room, east interior wall, Wing D	Concrete 12" from caulked seam	12/29/2010	1/5/2011	**2.98**[2]
				IDC4-D19-24"	LPN Theory room, east interior wall, Wing D	Concrete 24" from caulked seam	12/29/2010	1/5/2010	ND<0.0571
				IDC4-D21-24"	LPN Theory room, east interior wall, Wing D	Concrete 24" from caulked seam	12/29/2010	1/5/2011	**1.06**
				IDC4-D41-36"	LPN Theory room, east interior wall, Wing D	Concrete 36" from caulked seam	1/23/2011	1/26/2011	0.766
				IDC4-D43-36"	LPN Theory room, east interior wall, Wing D	Concrete 36" from caulked seam	1/23/2011	1/26/2011	0.671
				IDC4-D42-48"	LPN Theory room, east interior wall, Wing D	Concrete 48" from caulked seam	1/23/2011	1/26/2011	0.241
				IDC4-D44-48"	LPN Theory room, east interior wall, Wing D	Concrete 48" from caulked seam	1/23/2011	1/26/2011	0.578
IC4	Grey, rubbery interior windo caulk found along the bottom of window unit, between the frame and a concrete sill	Western wall of the LPN Theory Lab on the west side of the hallway; Wing D	53,000	IC4-B8-Sill	Interior wall beneath windows, Wing B	Stone sill in contact with caulk	12/29/2010	1/5/2011	**1.65**
				IC4-D8-Sill	Interior wall beneath windows, Wing D	Stone sill in contact with caulk	12/29/2010	1/5/2011	**11.68**[2]
				IC4-D11-Sill	Interior wall beneath windows, Wing D	Stone sill in contact with caulk	12/29/2010	1/5/2011	**3.22**
				IC4-D14-Sill	Interior wall beneath windows, Wing D	Stone sill in contact with caulk	12/29/2010	1/5/2011	**5.41**
				IC4-B7-6"	Interior wall beneath windows, Wing B	Concrete 6" from caulked seam	12/29/2010	1/5/2011	0.965
				IC4-B9-6"	Interior wall beneath windows, Wing B	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**1.81**[2]
				IC4-B10-6"	Interior wall beneath windows, Wing B	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**1.77**[2]
				IC4-B11-6"	Interior wall beneath windows, Wing B	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**1.91**
				IC4-D7-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**4.78**[2]
				IC4-D9-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**4.08**[2]
				IC4-D10-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**1.51**
				IC4-D12-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**2.59**[2]
				IC4-D13-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**3.49**
				IC4-D15-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**4.54**[2]
				IC4-D16-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**3.29**[2]
				IC4-D17-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**3.02**[2]
				IC4-B23-1C	Interior west wall, Graphics Room, Wing B	1 course of CMU block from seam	1/22/2011	1/26/2011	0.326
				IC4-D47-1C	Interior east wall, Room D17, Wing D	1 course of CMU block from seam	1/23/2011	1/26/2011	**3.21**[2]
				IC4-B24-2C	Interior west wall, Graphics Room, Wing B	2 courses of CMU block from seam	1/22/2011	1/26/2011	0.820

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Hamden, Connecticut

PCB Bulk Product Waste Sample ID	PCB Bulk Product Waste Description	PCB Bulk Product Waste Sample Location	PCB Concentration (mg/kg)	Building Substate Sample ID	Substrate Sample Location	Building Substrate Sample Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Interior Building Materials									
IC4	Grey, rubbery interior windo caulk found along the bottom of window unit, between the frame and a concrete sill	Western wall of the LPN Theory Lab on the west side of the hallway; Wing D	53,000	IC4-B25-2C	Interior north wall, office inside Graphics Room, Wing B	2 courses of CMU block from seam	1/22/2011	1/26/2011	ND<0.0586
				IC4-B26-2C	Interior south wall, office at rear of Metal Shop, Wing B	2 courses of CMU block from seam	1/22/2011	1/26/2011	ND<0.049
				IC4-D48-2C	Interior east wall, Room D17, Wing D	2 courses of CMU block from seam	1/23/2011	1/26/2011	**3.26**[2]
				IC4-D49-2C	Interior west wall, Wing B	2 courses of CMU block from seam	1/23/2011	1/26/2011	**2.228**[2]
				IC4-D50-2C	Interior west wall, Wing B	2 courses of CMU block from seam	1/23/2011	1/26/2011	**1.370**
				IC4-D51-2C	Interior east wall, Room D15, Wing D	2 courses of CMU block from seam	1/23/2011	1/26/2011	**1.740**
				IC4-D57-4C	Interior east wall, Room D15, Wing D	4 courses of CMU block from seam	2/7/2011	2/10/2011	ND<0.0624
				IC4-D58-4C	Interior east wall, Room D17, Wing D	4 courses of CMU block from seam	2/7/2011	2/10/2011	0.715
				IC4-D59-4C	Interior west wall, Room D16, Wing D	4 courses of CMU block from seam	2/7/2011	2/10/2011	0.595[2]
				IC4-D60-4C	Interior west wall, LPN Theory Room, Wing D	4 courses of CMU block from seam	2/7/2011	2/10/2011	0.336
IC5	Dark brown rubbery caulk found between the metal window frame and CMU block	Wing D; Northeastern side of foyer, along the northern side of builidng	54,000	IC5-D-6''	Northeast entry foyer interior window/wall, Wing D	Concrete 6" from caulked seam	10/25/2010	10/26/2010	0.804[2]
				IC5-D-9''	Northeast entry foyer interior window/wall, Wing D	Concrete 9" from caulked seam	10/23/2010	11/2/2010	0.391
				IC5-D45-9"	Northeast entry foyer interior window/wall, Wing D	Concrete 9" from caulked seam	1/23/2011	1/26/2011	0.693
IC9	Tan door frame caulk, found around door frame, between the metal door frame and CMU block	Wing D; Small office in Room D15	43,200	IC9-D46-12"	Interior wall of small office, Room D15, Wing D	12" from caulked door seam	1/23/2011	1/26/2011	**3.42**[2]
				IC9-D55-24"	Interior wall of small office, Room D15, Wing D	24" from caulked door seam	2/7/2011	2/10/2011	0.605[2]
				IC9-D56-30"	Interior wall of small office, Room D15, Wing D	30" from caulked door seam	2/7/2011	2/10/2011	0.338
Exterior Building Materials									
E1	Grey, rubbery exterior expansion joint caulk found at vertical expansion joints between brick	Western exterior wall of Wing A, between the Wing A and the northern exterior wall of Wing D	85,000	E1-C-3"	East side, Cafeteria, Exterior Wing C	Brick 3" from caulked seam	10/23/2010	11/3/2010	ND<0.0655
				E1-C-6''	East side, Cafeteria, Exterior Wing C	Brick 6" from caulked seam	10/25/2010	10/26/2010	ND<0.0653
				E1-C30-6"	East side, Cafeteria, Exterior Wing C	Brick 6" from caulked seam	1/22/2011	1/26/2011	ND<0.0497
				E1-A2-6"	Exterior wall, west side of building, Wing A	Brick 6" from caulked seam	12/30/2010	1/6/2011	ND<0.0613
				E1-A1-12"	Exterior wall, west side of building, Wing A	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0653
				E1-A3-12"	Exterior wall, west side of building, Wing A	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.0944
				E1-A4-12"	Exterior wall, west side of building, Wing A	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.299
				E1-A5-12"	Exterior wall, west side of building, Wing A	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0585

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Hamden, Connecticut

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Exterior Building Materials									
E1	Grey, rubbery exterior expansion joint caulk found at vertical expansion joints between brick	Western exterior wall of Wing A, between the Wing A and the northern exterior wall of Wing D	85,000	E1-A6-12"	Western exterior wall, west side of Wing A	Brick 12" from caulked seam	1/23/2011	1/26/2011	ND<0.0533
				E1-C31-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.063
				E1-C32-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.066
				E1-C33-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0631
				E1-C34-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0558
E2	Dark grey rubber expansion joint caulk found at vertical expansion joints between brick	Western exterior wall of Wing D, beneath window	12,000	E2-D18-6"	Exterior wall, Wing D	Brick 6" from caulked seam	12/30/2010	1/5/2011	ND<0.0708
				E2-D21-6"	Exterior wall, Wing D	Brick 6" from caulked seam	12/30/2010	1/6/2011	0.275
				E2-D31-6"	Exterior wall, Wing D	Brick 6" from caulked seam	12/30/2010	1/6/2011	0.232
				E2-D33-6"	Exterior wall, Wing D	Brick 6" from caulked seam	12/30/2010	1/6/2011	**2.22**
				E2-B16-6"	Northern exterior wall, outside of garage, Wing C	Brick 6" from caulked seam	1/22/2011	1/26/2011	0.0784
				E2-B12-12"	Exterior wall, Wing B	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.136
				E2-B13-12"	Exterior wall, Wing B	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0645
				E2-B14-12"	Exterior wall, Wing B	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0614
				E2-B15-12"	Exterior wall, Wing B	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.0717
				E2-D19-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/5/2011	ND<0.0678
				E2-D20-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/5/2011	0.78
				E2-D22-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.083
				E2-D23-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0638
				E2-D24-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.107
				E2-D25-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.281
				E2-D26-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0582
				E2-D27-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0541
				E2-D28-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.234[2]
				E2-D29-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.132
				E2-D30-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0553

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

PCB Bulk Product Waste Sample ID	PCB Bulk Product Waste Description	PCB Bulk Product Waste Sample Location	PCB Concentration (mg/kg)	Building Substate Sample ID	Substrate Sample Location	Building Substrate Sample Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Exterior Building Materials									
E2	Dark grey rubber expansion joint caulk found at vertical expansion joints between brick	Western exterior wall of Wing D, beneath window	12,000	E2-D32-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.214
				E2-D34-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.227
				E2-B17-12"	Northern exterior wall, outside of maintenance garage, Wing B	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0605
				E2-B18-12"	Northern exterior wall, outside of maintenance garage, Wing B	Brick 12" from caulked seam	1/22/2011	1/26/2011	0.119
				E2-B19-12"	Western exterior wall, Wing B	Brick 12" from caulked seam	1/22/2011	1/26/2011	0.0732
C2	Light grey rubber exterior window caulk, found along the vertical sides of the window frame, between the window frame and brick	Western exterior wall of Wing D, beneath window sill	55,000	C2-C-3''	East side, Auto Body Shop, Exterior Wing C	Brick 3" from caulked seam	10/23/2010	11/3/2010	ND<0.0606
				C2-C-6''	East side, Auto Body Shop, Exterior Wing C	Brick 6" from caulked seam	10/25/2010	10/26/2010	ND<0.06
				C2-C-6'' A	East side, Auto Body Shop, Exterior Wing C	Brick 6" from caulked seam	10/25/2010	10/26/2010	ND<0.0562
				C2-C18-6"	Eastern exterior wall, outside garage, Wing C	Brick 6" from caulked seam	1/22/2011	1/26/2011	ND<0.0546
				C2-C20-6"	Western exterior wall, southern portion of building, Wing C	Brick 6" from caulked seam	1/22/2011	1/26/2011	ND<0.0608
				C2-B20-6"	Western exterior wall, southern portion of building, Wing B	Brick 6" from caulked seam	1/22/2011	1/26/2011	ND<0.0605
				C2-D52-6"	Western exterior wall, southern portion of building, Wing D	Brick 6" from caulked seam	1/23/2011	1/26/2011	ND<0.052
				C2-C19-12"	Eastern exterior wall, outside garage, Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0649
				C2-C21-12"	Eastern exterior wall, outside garage, Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0508
				C2-C22-12"	Eastern exterior wall, outside garage, Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0449
				C2-C23-12	Eastern exterior wall, outside garage, Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.067
				C2-C24-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0602
				C2-C25-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0671
				C2-C26-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0688
				C2-C27-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0674
				C2-C28-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0660
				C2-B21-12"	Western exterior wall, southern portion of building, Wing B	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0496
				C2-B22-12"	Southern exterior wall of building, Wing B	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.050
				C2-D53-12"	Western exterior wall, southern portion of building, Wing D	Brick 12" from caulked seam	1/23/2011	1/26/2011	ND<0.062
				C2-D54-12"	Western exterior wall, southern portion of building, Wing D	Brick 12" from caulked seam	1/23/2011	1/26/2011	ND<0.0657

Notes:

ND< Not detected above the listed detection limit

[1] PCB Concentration is the total PCB concentration. The only value detected is Aroclor-1254 unless otherwise noted.

[2] PCB Concentration is comprised of Aroclor-1254 and Aroclor-1260.

C2-C-6" A is a field duplicate to C2-C-6

00 31 26.43

IC9 Supplemental

2 CMU Samples

SB 38230.01

TRC

21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

CHAIN OF CUSTODY

PROJECT NUMBER	PROJECT NAME	PARAMETERS	LAB ID #.
185112.4000.0000	ELI WHITNEY TECH. SCHOOL		TURNAROUND TIME: 24hr / 48hr (X) / 3day / 5day; 24hr / 48hr / 3day / 5day
SIGNATURE: Gary Buda	INSPECTOR: G. Buda		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PCB 8082/3540C					NOTES
IC9-D62-30	10/26/11	1646		X	D-Wing, 30" from IC9, left side of door	X					Dr. Ice 38230.01
IC9-D61-30"	10/26/11	1654		X	D-Wing, 30" from IC9, left side of door	X					Dr. Ice 38230.02

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Gary Buda	10/27/11				
(Printed) Gary Buda	Time: 1630	(Printed) Colleen Krzczewski	(Printed)	Time:	(Printed)

Remarks: Results to Erik Plimpton EPLIMPTON@TRCSOLUTIONS.COM

Page 1 of 1

4.1° ice

Report Date:
02-Nov-11 17:33

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Erik Plimpton

Project: Eli Whitney - Hamden, CT
Project #: 185112.4000.0000

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB38250-01	IC9-D62-30"	Substrate CMU	26-Oct-11 16:46	27-Oct-11 16:30
SB38250-02	IC9-D61-30"	Substrate CMU	26-Oct-11 16:54	27-Oct-11 16:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Eli Whitney - Hamden, CT

Project Number: 185112.4000.0000

Sampling Date(s):
10/26/2011

Laboratory Sample ID(s):
SB38250-01 through SB38250-02

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the 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? ** Exceptions are defined by qualifiers*	Yes Yes	✓ No 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

Note: 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."

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 obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 11/2/2011

CASE NARRATIVE:

The samples were received 4.1 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB38250-01 *IC9-D62-30"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB38250-02 *IC9-D61-30"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC9-D62-30"	185112.4000.0000	Substrate CMU	26-Oct-11 16:46	27-Oct-11
SB38250-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.2		µg/kg dry	63.2	31.6	1	SW846 8082A	28-Oct-11	29-Oct-11	SM	1122493	X
11104-28-2	Aroclor-1221	< 63.2		µg/kg dry	63.2	56.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.2		µg/kg dry	63.2	40.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.2		µg/kg dry	63.2	37.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.2		µg/kg dry	63.2	31.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.2		µg/kg dry	63.2	46.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	948		µg/kg dry	63.2	28.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.2		µg/kg dry	63.2	58.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.2		µg/kg dry	63.2	19.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*6060*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*147*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*121*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	28-Oct-11	28-Oct-11	DT	1122527	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC9-D61-30"	185112.4000.0000	Substrate CMU	26-Oct-11 16:54	27-Oct-11
SB38250-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.1		µg/kg dry	61.1	30.5	1	SW846 8082A	28-Oct-11	29-Oct-11	SM	1122493	X
11104-28-2	Aroclor-1221	< 61.1		µg/kg dry	61.1	55.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.1		µg/kg dry	61.1	39.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.1		µg/kg dry	61.1	36.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.1		µg/kg dry	61.1	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.1		µg/kg dry	61.1	44.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.1		µg/kg dry	61.1	23.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.1		µg/kg dry	61.1	56.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.1		µg/kg dry	61.1	19.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*17700*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*52*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*63*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	28-Oct-11	28-Oct-11	DT	1122527	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1122493 - SW846 3540C										
Blank (1122493-BLK1)					Prepared: 28-Oct-11 Analyzed: 29-Oct-11					
Aroclor-1016	< 66.4		µg/kg wet	66.4						
Aroclor-1016 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1221	< 66.4		µg/kg wet	66.4						
Aroclor-1221 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1232	< 66.4		µg/kg wet	66.4						
Aroclor-1232 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1242	< 66.4		µg/kg wet	66.4						
Aroclor-1242 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1248	< 66.4		µg/kg wet	66.4						
Aroclor-1248 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1254	< 66.4		µg/kg wet	66.4						
Aroclor-1254 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1260	< 66.4		µg/kg wet	66.4						
Aroclor-1260 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1262	< 66.4		µg/kg wet	66.4						
Aroclor-1262 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1268	< 66.4		µg/kg wet	66.4						
Aroclor-1268 [2C]	< 66.4		µg/kg wet	66.4						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*64.0*		µg/kg wet		*66.4*		*97*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*79.0*		µg/kg wet		*66.4*		*119*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*78.0*		µg/kg wet		*66.4*		*118*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*81.0*		µg/kg wet		*66.4*		*122*	*30-150*		
LCS (1122493-BS1)					Prepared: 28-Oct-11 Analyzed: 29-Oct-11					
Aroclor-1016	**748**		µg/kg wet	60.8	760		98	50-140		
Aroclor-1016 [2C]	**822**		µg/kg wet	60.8	760		108	50-140		
Aroclor-1260	**772**		µg/kg wet	60.8	760		102	50-140		
Aroclor-1260 [2C]	**808**		µg/kg wet	60.8	760		106	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*52.0*		µg/kg wet		*60.8*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*60.2*		µg/kg wet		*60.8*		*99*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*60.8*		µg/kg wet		*60.8*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*68.4*		µg/kg wet		*60.8*		*113*	*30-150*		
LCS Dup (1122493-BSD1)					Prepared: 28-Oct-11 Analyzed: 29-Oct-11					
Aroclor-1016	**264**		µg/kg wet	20.0	250		106	50-140	7	30
Aroclor-1016 [2C]	**282**		µg/kg wet	20.0	250		113	50-140	4	30
Aroclor-1260	**262**		µg/kg wet	20.0	250		105	50-140	3	30
Aroclor-1260 [2C]	**273**		µg/kg wet	20.0	250		109	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.2*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.7*		µg/kg wet		*20.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.8*		µg/kg wet		*20.0*		*114*	*30-150*		

Notes and Definitions

S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Nicole Leja

00 31 26.44

Remediation Contractor Certification with EPA Approval and Notification

Connecticut

Department of Construction Services

7034
Remediation Contractor Certification Form For PCB Abatement

CT DCS PROJECT INFORMATION:

DCS Project No.: BI-RT-837

Project Title: Additions and Renovations, Eli Whitney Technical High School, 71 Jones Rd, Hamden, CT

REMEDIATION CONTRACTOR CONDITIONS:

The State of Connecticut Department of Construction Services ("CT DCS") has provided **Notification** to the United States Environmental Protection Agency ("EPA") that it will be abating PCBs in caulk, window glazing, and associated building materials in conjunction with the renovations and additions at Eli Whitney Technical High School in Hamden, Connecticut. **The Notification consists of the Self-Implementing Cleanup Plan (June 28, 2011), Response to EPA Comments (November 22, 2011), and Email Clarification of IC4 Caulk (January 31, 2012).**

The EPA provided an Approval with conditions to this notice – Eli Whitney Technical High School PCB Cleanup and Disposal Approval dated February 7, 2012.

Per Condition 10.a. of Attachment 1 of the Approval, the Remediation Contractor is required to provide certification stating that he has read and understands the **Notification (attached)**, and agrees to abide by the conditions specified in the **Approval (attached)**. If the Remediation Contractor fails to sign this certification or fails to operate in compliance with the Notification and Approval, CT DCS shall consider the Remediation Contractor to be in default of this Contract and the State shall seek appropriate remedies as defined in the Contract.

REMEDIATION CONTRACTOR INFORMATION:

Name and Address of Remediation Contractor Responsible for Implementing EPA Approval Conditions:

Name of Firm: _____

Contact Person: _____ Telephone: _____

Address: _____

Town: _____ State: _____ Zip: _____

REMEDIATION CONTRACTOR CERTIFICATION:

I hereby certify that I have read and understand the Notification, and agree to abide by the Conditions specified in the Approval.

_____

Signature of Duly Authorized Individual Date

Print/Type Name: _____

Title: _____ , Duly Authorized

Name of Firm: _____

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MA 02109-3912

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

FEB 07 2012

Joseph V. Cassidy, P.E.
Director of Technical Services
Department of Public Works
165 Capitol Avenue, Room 275
Hartford, Connecticut 06106

Re: PCB Cleanup and Disposal Approval under 40 CFR §§ 761.61(a) and (c) and § 761.79(h)
Eli Whitney Technical High School
Hamden, Connecticut

Dear Mr. Cassidy:

This is in response to the Connecticut Department of Public Works (CT DPW) Notification[1] for approval to clean up and dispose of PCB-contaminated building materials located in the building known as the Eli Whitney Technical High School (the Site) located at 71 Jones Road, Hamden, Connecticut. The Site contains PCB caulk and glazing that exceeds the allowable PCB levels under the federal PCB regulations at 40 CFR § 761.20(a) and § 761.62.

In its Notification, CT DPW has proposed the following PCB cleanup and disposal plan:

- Remove greater than or equal to (≥ 50 parts per million (ppm) PCB caulk and *non-porous surfaces* (i.e., metal frames and lintels) in direct contact with caulk and dispose in a TSCA approved or RCRA hazardous waste landfill

- Remove soil with greater than (>) 1 ppm but less than (<) 50 ppm and dispose of in accordance with § 761.61(a)(5)(i)(B)(*2*)(*ii*)

- Conduct verification sampling of soils in accordance with Subpart O to document that the PCB cleanup standard of less than or equal to (≤) 1 ppm has been met

[1] Information was submitted by TRC on behalf of the CT DPW to satisfy the notification requirement under 40 CFR §§ 761.61(a)(3) and (c). Information was submitted dated June 28, 2011 (Self-Implementing On-Site Cleanup and Disposal Plan (SIDP)); November 22, 2011 (Response to EPA Comments); and January 31, 2012 (email clarification of IC4 caulk). These submittals shall be referred to as the "Notification".

- Remove *porous surfaces* (e.g., brick, CMU, and concrete) in contact with ≥50 ppm PCB caulk to the distance specified in the Notification and dispose in a TSCA approved or RCRA hazardous waste landfill. Specifically:

  - Remove 48 inches of CMU/concrete located adjacent to the IDC4 caulk joint
  - Remove stone sills in contact with IC4 caulk, in their entirety, and 4 courses of CMU/concrete located beneath the stone sill
  - Remove a minimum of 9 inches or 1 course of CMU/concrete (whichever is greater), located adjacent to the IC5 caulk joint
  - Remove a minimum of 30 inches or 2 courses of CMU/concrete (whichever is greater), located at the IC9 caulk joint
  - Remove 60 inches of CMU/concrete on either side of the IE3 caulk joint
  - Remove 12 inches of brick located on either side of the E1 caulk joint
  - Remove 12 inches of brick located on either side of the E2 caulk joint
  - Remove 12 inches of brick located adjacent to the C2 caulk joint

- Conduct verification sampling of *porous surfaces* at the IC4 caulk and IE3 caulk locations where pre-verification sampling was not successful, to document that the PCB cleanup standard of ≤ 1 ppm has been met

CT DPW has determined that glazing sealants and certain caulk, which have PCB concentrations at < 50 ppm are *Excluded PCB Products*. Under the PCB regulations, *Excluded PCB Products* are authorized for use and thus there is no requirement to remove these building materials or to decontaminate surfaces that are in contact with these building materials. However, as indicated in the Notification, these materials will be removed and disposed of under the Connecticut Department of Energy and Environmental Protection (CT DEEP) Regulations.

With exception of the verification sampling requirement, the information provided in the Notification meets the requirements under 40 CFR §§ 761.61, 761.62, and 761.79(h) for cleanup and disposal of *PCB bulk product wastes* and *PCB remediation wastes*. Further, the proposed decontamination and disposal activities are consistent with the requirements and standards established under § 761.61(a), § 761.62, § 761.79 for similar types of PCB-contaminated materials.

Based on the results of the PCB sampling to-date and the proposed cleanup and disposal approach for *porous surfaces*, EPA has determined that the pre-verification sampling and proposed verification sampling frequencies for the *porous surfaces* are adequate to confirm that PCB cleanup standard of ≤1 ppm has been met. EPA finds that the alternative sampling frequency will not create an unreasonable risk to public health or the environment and EPA may approve the alternative sampling under § 761.61(c).

CT DPW may proceed with its cleanup in accordance with 40 CFR § 761.61(a); § 761.62; § 761.79(h); its Notification; and this Approval, subject to the conditions of Attachment 1.

As in the past, EPA understands that there will be public outreach efforts to teachers, parents, students and staff prior to initiating and during the work proposed in the Notification.

This Approval does not release CT DPW or Connecticut Department of Education (CT DOE) from any applicable requirements of federal, state or local law, including the requirements related to cleanup and disposal of PCBs or other contaminants under the CT DEEP regulations.

EPA shall not consider this project complete until it has received all submittals required under this Approval. Please be aware that upon EPA receipt and review of the submittals, EPA may request any additional information necessary to establish that the work has been completed in accordance with 40 CFR Part 761, the Notification, and this Approval.

Sincerely,

James T. Owens III, Director
Office of Site Remediation & Restoration

cc: R. Cutler, CT DPW
Principal B. Heston, Eli Whitney
E. Plimpton, TRC
B. Toal, CT DPH
G. Trombly, CT DEEP
J. Woodmansee, CT DOE
File

Attachment 1: Approval Conditions

ATTACHMENT 1

PCB CLEANUP AND DISPOSAL APPROVAL CONDITIONS
ELI WHITNEY TECHNICAL HIGH SCHOOL ("the Site")
71 JONES ROAD, HAMDEN, CONNECTICUT

GENERAL CONDITIONS

1. This Approval is granted under the authority of Section 6(e) of the Toxic Substances Control Act (TSCA), 15 U.S.C. § 2605(e), and the PCB regulations at 40 CFR Part 761, and applies solely to the *PCB bulk product waste* and the *PCB remediation waste* located at the Site and identified in the Notification [(2)].

2. The Connecticut Department of Public Works (CT DPW) shall conduct on-site activities in accordance with the conditions of this Approval and with the Notification.

3. In the event that the cleanup plan described in the Notification differs from the conditions specified in this Approval, the conditions of this Approval shall govern.

4. The terms and abbreviations used herein shall have the meanings as defined in 40 CFR § 761.3 unless otherwise defined within this Approval.

5. CT DPW must comply with all applicable federal, state and local regulations in the storage, handling, and disposal of all PCB wastes, including PCBs, PCB Items and decontamination wastes generated under this Approval. In the event of a new spill during response actions, CT DPW shall contact EPA within 24 hours for direction on PCB cleanup and sampling requirements.

6. CT DPW is responsible for the actions of all officers, employees, agents, contractors, subcontractors, and others who are involved in activities conducted under this Approval. If at any time CT DPW has or receives information indicating that CT DPW or any other person has failed, or may have failed, to comply with any provision of this Approval, it must report the information to EPA in writing within 24 hours of having or receiving the information.

7. This Approval does not constitute a determination by EPA that the transporters or disposal facilities selected by CT DPW are authorized to conduct the activities set forth in the Notification. CT DPW is responsible for ensuring that its selected transporters and disposal facilities are authorized to conduct these activities in accordance with all applicable federal, state and local statutes and regulations.

---

[2] Information was submitted by TRC on behalf of the CT DPW to satisfy the notification requirement under 40 CFR §§ 761.61(a)(3) and (c). Information was submitted dated June 28, 2011 (Self-Implementing On-Site Cleanup and Disposal Plan (SIDP)); and November 22, 2011 (Response to EPA Comments); and January 31, 2012 (email clarification of IC4 caulk). These submittals shall be referred to as the "Notification".

8. This Approval does not: 1) waive or compromise EPA's enforcement and regulatory authority; 2) release CT DPW from compliance with any applicable requirements of federal, state or local law; or 3) release CT DPW from liability for, or otherwise resolve, any violations of federal, state or local law.

NOTIFICATION AND CERTIFICATION CONDITIONS

9. This Approval may be revoked if the EPA does not receive written notification from CT DPW of its acceptance of the conditions of this Approval within 10 business days of receipt.

10. CT DPW shall submit the following information for EPA review and/or approval:

    a. a certification signed by its selected contractor, stating that the contractor(s) has read and understands the Notification, and agrees to abide by the conditions specified in this Approval;

    b. a contractor work plan, prepared and submitted by the selected demolition or abatement contractor(s) describing the containment and air monitoring that will be employed during abatement activities. This work plan should also include information on how and where wastes will be stored and disposed of, and on how field equipment will be decontaminated; and,

    c. a certification signed by the selected analytical laboratory, stating that the laboratory has read and understands the extraction and analytical methods and quality assurance requirements specified in the Notification and in this Approval.

REMEDIAL and DISPOSAL CONDITIONS

11. To the maximum extent practical, engineering controls, such as barriers, and removal techniques, such as the use of HEPA ventilated tools, shall be utilized during removal processes. In addition, to the maximum extent possible, disposable equipment and materials, including PPE, will be used to reduce the amount of decontamination necessary.

12. PCB-contaminated materials shall be decontaminated and confirmatory sampling and analysis shall be conducted as described below:

    a. All visible residues of PCB-contaminated caulk (i.e. *PCB bulk product waste*) shall be removed as described in the Notification.

b. Bulk *PCB remediation waste* (i.e. soil) samples shall be collected on a bulk basis (e.g. mg/Kg) and reported on a dry-weight basis. Verification sampling shall comply with Subpart O; samples shall be collected from both excavation bottoms and sidewalls, as applicable.

c. Sampling for *porous surfaces* shall be performed on a bulk basis (i.e., mg/Kg) and reported on a dry weight analysis. Sampling for *porous surfaces* shall be conducted in accordance with the EPA Region 1 *Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs) Revision 4, May 5, 2011*, at a maximum depth interval of 0.5 inches, and in accordance with the frequency specified below.

   i) IC4: Verification samples of *porous surfaces* (i.e. concrete masonry) shall be collected a minimum of 1 sample every 50 linear feet (minimum 12 samples)

   ii) IE3: Verification samples of *porous surfaces* (i.e. concrete masonry) shall be collected at a minimum of 1 sample every 50 linear feet (minimum 20 samples)

d. Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846 for solid matrices and Method 3500B/3510C of SW-846 for aqueous matrices; and, chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another extraction or analytical method(s) is validated according to Subpart Q.

e. In the event any verification sample is greater than (>) 1 part per million (ppm), CT DPW shall contact EPA to determine the appropriate verification sampling frequency for the remaining *porous surfaces*.

13. All PCB waste (regardless of concentration) generated as a result of the activities described in the Notification, excluding any decontaminated materials, shall be marked in accordance with § 761.40; stored in a manner prescribed in § 761.65; and, disposed of in accordance with 40 CFR § 761.61(a)(5) or § 761.62, unless otherwise specified below:

a. Decontamination wastes and residues shall be disposed of in accordance with 40 CFR § 761.79(g).

b. Moveable equipment, tools, and sampling equipment shall be decontaminated in accordance with either 40 CFR § 761.79(b)(3)(i)(A), § 761.79(b)(3)(ii)(A), or § 761.79(c)(2).

c. PCB-contaminated water generated during decontamination shall be decontaminated in accordance with 40 CFR § 761.79(b)(1) or disposed of under § 761.60.

INSPECTION, MODIFICATION AND REVOCATION CONDITIONS

14. CT DPW shall allow any authorized representative of the Administrator of the EPA to inspect the Site and to inspect records and take samples as may be necessary to determine compliance with the PCB regulations and this Approval. Any refusal by CT DPW to allow such an inspection (as authorized by Section 11 of TSCA) shall be grounds for revocation of this Approval.

15. Any proposed modification(s) in the plan, specifications, or information in the Notification must be submitted to EPA no less than 14 calendar days prior to the proposed implementation of the change. Such proposed modifications will be subject to the procedures of 40 CFR § 761.61(a)(3)(ii).

16. Any departure from the conditions of this Approval without prior, written authorization from the EPA may result in the revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

17. Any misrepresentation or omission of any material fact in the Notification or in any records or reports may result in the EPA's revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

RECORDKEEPING AND REPORTING CONDITIONS

18. CT DPW shall prepare and maintain all records and documents required by 40 CFR Part 761, including but not limited to the records required under Subparts J and K. A written record of the decontamination and the analytical sampling shall be established and maintained by CT DPW in one centralized location, until such time as EPA approves in writing a request for an alternative disposition of such records. All records shall be made available for inspection to authorized representatives of EPA.

19. CT DPW shall submit a final report to the EPA within 60 days of completion of the activities authorized under this Approval. At a minimum, this final report shall include: a short narrative of the project activities; characterization and confirmation sampling analytical results, including indoor air sampling results; copies of the accompanying analytical chains of custody; field and laboratory quality control/quality assurance checks; an estimate of the quantity of PCB waste disposed of and the size of the decontaminated area(s); copies of manifests; and, copies of certificates of disposal or similar certifications issued by the disposer.

20. Required submittals shall be mailed to:

    Kimberly N. Tisa, PCB Coordinator (OSRR07-2)
    United States Environmental Protection Agency
    5 Post Office Square, Suite 100
    Boston, Massachusetts 02109-3912
    Telephone: (617) 918-1527
    Facsimile: (617) 918-0527

21. No record, report or communication required under this Approval shall qualify as a self-audit or voluntary disclosure under EPA audit, self-disclosure or penalty policies.

****

END OF ATTACHMENT 1

November 22, 2011

Ms. Kimberly N. Tisa
PCB Coordinator
United States Environmental Protection Agency
Region 1
5 Post Office Square, Suite 100
Boston, MA 02109-3912

Subject: Response To Comments
PCB Cleanup and Disposal Notification under 40 CFR 761.61(a)(3)
Eli Whitney Technical High School
Hamden, Connecticut
TRC Project No. 180012.4000

Dear Ms. Tisa:

Enclosed please find responses to the EPA comments provided in the letter dated September 21, 2011 pertaining to the PCB Self-Implementing Cleanup Plan (SIP) prepared for the above noted site in June, 2011. Each comment provided is restated, followed by the *response*.

1. Page 4, Section 1.3 – This section indicates that the renovation activities include the removal of exterior and many interior walls in each wing as well as construction of additions to the building. This section also indicates that the renovation/demolition activities will be executed in phases.

    a. Are drawings available which illustrate which exterior and/or interior walls will be demolished? If so, please provide.

    See attached drawings D-101 through D-112

    b. As the work will be executed in phases, it would be helpful to understand when each phase will start and which area/areas will be included in each phase.

    See attached drawings PH-101, PH-102, PH-103, CP-1.0, CP-1.1, CP-1.2, CP-1.3, CP-2.1, CP-2.2, CP-3.0 and Specification Section 01010 Summary of Work Section 1.3 Work Sequence (Phasing)

    c. As the PCB remedial activities include both interior and exterior remediation, please also clarify how the interior and exterior work will be phased.

    See attached drawings PH-101, PH-102, PH-103, CP-1.0, CP-1.1, CP-1.2, CP-1.3, CP-2.1, CP-2.2, CP-3.0 and Specification Section 01010 Summary of Work Section 1.3 Work Sequence (Phasing)

2. Page 9. Section 2.2.1 <u>Interior Building Material Substrates</u>. The statement is made that the detected concentrations of PCBs in the adjacent substrates are no greater than 12.0 mg/kg.

Table 2 only has samples taken from 6 inches from the joint. Since samples were not taken at the caulk line, concentrations in the adjacent substrates closer to the caulk are likely greater than the 12 mg/kg cited.

Noted, agreed.

3. Page 13. Section 2.2.4 – IC4 (Paragraph 2).

    a. Please clarify disposition of the limestone sill as sampling indicates that the PCB concentration is also greater than (>) 1 part per million (ppm) in this substrate.

    Limestone sill in contact with IC4 will be removed and disposed of as PCB Remediation Waste along with the CMU.

    b. How many linear feet (lf) of limestone sill associated with IC4 are present at the Site?

    Approximately 597 linear feet of limestone sill, in Wings B and D, in contact with IC4.

4. Page 15. Section 2.2.4 – IC9. For purposes of characterization and/or verification sampling, 40 CFR Subparts N and O require that a minimum of 3 samples for each type of bulk PCB remediation waste or porous surface be collected, regardless of the amount that is present. The alternative sampling that was discussed between EPA and TRC previously, was not meant to supersede certain minimum requirements. Generally, an alternative sampling procedure would be considered when large quantities or many linear feet of a certain PCB product is present such that Subpart N (every 10 linear feet for characterization) or O (every 5 linear feet for verification) would not be practicable. Therefore, the 1 pre-verification sample collected from the substrate in contact with the IC9 caulk would be insufficient to verify that all of the PCB contaminated substrate (approximately 25 lf) had been removed.

    To facilitate compliance with the minimum sampling levels required, 2 additional CMU substrate samples have been collected from the 30" distance from IC9. See data attached.

5. Page 24. Section 3.1 – Since this building will be occupied during construction, additional information is required on dust monitoring.

    a. For interior monitoring, please clarify means and methods for monitoring of total suspended particulates.

    Sampling for total suspended particulates will be performed using a real-time hand held industrial hygiene monitoring device, such as the TSI Dust-Trak or equivalent.

    b. The monitoring plan for exterior work is insufficient. OSHA limits may not be applicable to building users. Please also note that there is a National Ambient Air Quality Standard for PM_{10} total dust of 150 ug/m^3, which should be included in this plan.

    Exterior monitoring for total dust levels shall also be performed using real time hand held instruments and shall include comparisons of readings against both the OSHA

PEL as well as the NAAQS 24-hr TWA of 150 ug/m^3.

6. Page 25, Section 3.3.1 – There is reference to moveable equipment and furniture that will be removed prior to abatement activities.

   a. Has any recent surface wipe sampling of these types of materials been conducted?

      Yes, surface wipe sampling was conducted in March 2010. This sampling included targeted sampling from 5 rooms which contained the greatest caulk/glaze source strength, as well as from the cafeteria and break rooms. In each room the targeted sampling protocol included collecting samples to be representative of high contact probability areas (desk tops), which is indeed from moveable equipment and furniture which would now be removed prior to abatement activities. No elevated dust samples above the EPA/CTDEP/CTDPH school guidance level of 1.0 ug/100cm^2 were identified from the moveable desk top area samples collected.

   b. Is any cleaning and/or sampling planned for these materials prior to placement back in the "cleaned" areas?

      No

7. Page 28, Section 3.4 – This section indicates wipe samples will be collected from each containment area. It is unclear what is meant by "containment area". Thus further clarification is requested on the re-occupancy testing.

   a. With respect to the "containment area", will the entire interior of the room be sealed or just around the area where the *PCB bulk product waste* is located (e.g., around the doors and/or window area)?

      Exact extents of each work space "containment area" will be at the discretion of the abatement contractor, likely just around the areas of PCB Bulk Product Waste/PCB Remediation Waste abatement, to minimize the work space to be impacted by the abatement.

   b. If the "containment area" includes only the area in the location of the *PCB bulk product waste*, it is unclear exactly where the wipe samples will be collected. The Notification indicates that the interior "containment areas" will be lined with poly and placed under negative pressure (pp. 25-26). Will wipe sampling be conducted following removal of the poly and containment structure?

      Yes, reoccupancy wipe samples would be collected from the floor, sill or other horizontal surface after removal of floor poly but prior to deregulating the area.

   c. Post-abatement sampling should include air monitoring for PCBs given that interior abatement activities will occur.

      CTDCS respectfully disagrees. Each interior abatement area will be performed using a full negative pressure enclosure with HEPA filtered exhaust to collect all

airborne dust generated and ventilate the work areas. In addition, monitoring for interior real time total dust levels will be performed as specified above. Further, targeted indoor air sampling for PCB levels following EPA Method TO-10A/EPA Method 3540C/680 (PCB Homolog with Soxhlet Extraction) was previously performed at the site in February 2010, with no engineering controls (e.g. negative pressure ventilation) installed, and was implemented with a biased targeted strategy toward the areas/rooms which contained the highest caulk/glaze PCB source strength. No elevated air samples above the EPA September 2009 guidance level of 450 ng/m^3 for students/staff in high schools were identified, and indeed 16 of 17 samples indicated no detectable levels.

8. Pages 28 and 29. With respect to the pre-verification sampling, the Notification indicates that the sampling criteria were not met for all caulk types; thus, verification sampling will be conducted.

    a. Based on EPA's review of the Notification, it appears that verification sampling is only proposed for the following building substrates: IC4 and IE3. Please confirm this is correct.

    Yes

    b. For IC4, the Notification indicates that 1 course of CMU will be removed followed by 1 verification sample every 50 LF. Table 4 indicates that following removal of 1 course of CMU, PCBs were found at >1 ppm in at least 1 sample. Thus, it appears that removal of 1 CMU course would be insufficient to meet the less than or equal to ($\leq$) 1 ppm PCB cleanup standard for unrestricted use.

    Remediation of substrate associated with IC4 is hereby amended and shall consist of 4 courses of CMU with 12 verification samples conducted following remediation.

    c. For IE3, the Notification indicates that 1 course of CMU will be removed followed by 1 verification sample every 50 LF. EPA assumes that the CMU is generally 12-inches wide. Table 4 indicates PCBs > 1 ppm were identified at >48 inches from the caulk. Thus, it appears that the proposed removal would be insufficient to meet the $\leq$1 ppm PCB cleanup standard for unrestricted use.

    Remediation of substrate associated with IE3 is hereby amended and shall consist of 60 inches of substrate with 20 verification samples conducted following remediation.

    d. Please note that the alternative sampling from the Subpart O verification sampling must be justified. The 50-foot sampling interval was based on meeting specific criteria. It does not appear that this same criteria is being applied to these caulk types for the samples collected. Further, given that the current data indicates exceedances of the 1 ppm PCB cleanup standard at the proposed "cut lines", the alternative sampling has not been adequately supported in the Notification for these caulk types.

    The revised remediation scope for IC4 and IE3 noted above, coupled with the additional substrate sampling noted in response 4 for IC9 allows for the alternative

verification sampling program of a 50 foot sampling interval to be justified.

9. Table 2. The locations of the substrate sample should be cross-referenced with the sample location for the PCB bulk product waste (i.e. caulk and glazing). This can be done as a Table or, preferably, by placing both sampling locations on the applicable figure.

   See revised Table 2 attached, which includes a column for the location of the respective PCB bulk product waste sample location in order to cross reference with the substrate sample locations.

10. Please be aware that EPA has revised its *Porous Surfaces* sampling SOP to include concrete.

    Noted, revised SOP will be utilized going forward.

If you have any questions, please call TRC at (860) 298-9692.

Very Truly Yours,

TRC

Erik R. Plimpton, P.E., CHMM
Program Manager

CC: R. Cutler, CTDCS
G. Trombley, CTDEEP

Enclosures

SB 38230.01

TRC

21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

CHAIN OF CUSTODY

PROJECT NUMBER	PROJECT NAME	PARAMETERS	LAB ID #.
185112.4000.0000	ELI WHITNEY TECH. SCHOOL		TURNAROUND TIME: 24hr / 48hr (X) / 3day / 5day; 24hr / 48hr / 3day / 5day
SIGNATURE: Gary Buda	INSPECTOR: G. Buda		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PCB 8082/3540C					NOTES
IC9-D62-30	10/26/11	1646		X	D-Wing, 30" from IC9, left side of door	X					Dr. Ice 38230.01
IC9-D61-30"	10/26/11	1654		X	D-Wing, 30" from IC9, left side of door	X					Dr. Ice 38230.02

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Gary Buda	10/27/11				
(Printed) Gary Buda	Time: 1630	(Printed) Colleen Krzczewski	(Printed)	Time:	(Printed)

Remarks: Results to Erik Plimpton EPLIMPTON@TRCSOLUTIONS.COM

Page 1 of 1

4.1° ice

Report Date:
02-Nov-11 17:33

☑ Final Report
☐ Re-Issued Report
☐ Revised Report

SPECTRUM ANALYTICAL, INC.
Featuring
HANIBAL TECHNOLOGY

Laboratory Report

TRC
21 Griffin Road North
Windsor, CT 06095
Attn: Erik Plimpton

Project: Eli Whitney - Hamden, CT
Project #: 185112.4000.0000

Laboratory ID	Client Sample ID	Matrix	Date Sampled	Date Received
SB38250-01	IC9-D62-30"	Substrate CMU	26-Oct-11 16:46	27-Oct-11 16:30
SB38250-02	IC9-D61-30"	Substrate CMU	26-Oct-11 16:54	27-Oct-11 16:30

I attest that the information contained within the report has been reviewed for accuracy and checked against the quality control requirements for each method. These results relate only to the sample(s) as received.
All applicable NELAC requirements have been met.

Massachusetts # M-MA138/MA1110
Connecticut # PH-0777
Florida # E87600/E87936
Maine # MA138
New Hampshire # 2538
New Jersey # MA011/MA012
New York # 11393/11840
Pennsylvania # 68-04426/68-02924
Rhode Island # 98
USDA # S-51435

Authorized by:

Nicole Leja
Laboratory Director

Spectrum Analytical holds certification in the State of New York for the analytes as indicated with an X in the "Cert." column within this report. Please note that the State of New York does not offer certification for all analytes.
Please note that this report contains 7 pages of analytical data plus Chain of Custody document(s). When the Laboratory Report is indicated as revised, this report supersedes any previously dated reports for the laboratory ID(s) referenced above. Where this report identifies subcontracted analyses, copies of the subcontractor's test report are available upon request. This report may not be reproduced, except in full, without written approval from Spectrum Analytical, Inc.

Spectrum Analytical, Inc. is a NELAC accredited laboratory organization and meets NELAC testing standards. Use of the NELAC logo however does not insure that Spectrum is currently accredited for the specific method or analyte indicated. Please refer to our "Quality" web page at www.spectrum-analytical.com for a full listing of our current certifications and fields of accreditation. States in which Spectrum Analytical, Inc. holds NELAC certification are New York, New Hampshire, New Jersey and Florida. All analytical work for Volatile Organic and Air analysis are transferred to and conducted at our 830 Silver Street location (NY-11840, FL-E87936 and NJ-MA012).

Reasonable Confidence Protocols
Laboratory Analysis
QA/QC Certification Form

Laboratory Name: Spectrum Analytical, Inc.

Client: TRC - Windsor, CT

Project Location: Eli Whitney - Hamden, CT

Project Number: 185112.4000.0000

Sampling Date(s):
10/26/2011

Laboratory Sample ID(s):
SB38250-01 through SB38250-02

RCP Methods Used:
SW846 8082A

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	✓ Yes	No
1A	Were the method specified preservation and holding time requirements met?	✓ Yes	No
1B	***VPH and EPH methods only***: Was the VPH or EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)?	Yes	No
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	✓ Yes	No
3	Were samples received at an appropriate temperature?	✓ Yes	No
4	Were all QA/QC performance criteria specified in the 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? ** Exceptions are defined by qualifiers*	Yes Yes	✓ No 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

Note: 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."

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 obtaining the information contained in this analytical report, such information is accurate and complete.

Nicole Leja

Nicole Leja
Laboratory Director
Date: 11/2/2011

CASE NARRATIVE:

The samples were received 4.1 degrees Celsius, please refer to the Chain of Custody for details specific to temperature upon receipt. An infrared thermometer with a tolerance of +/- 2.0 degrees Celsius was used immediately upon receipt of the samples.

If a Matrix Spike (MS), Matrix Spike Duplicate (MSD) or Duplicate (DUP) was not requested on the Chain of Custody, method criteria may have been fulfilled with a source sample not of this Sample Delivery Group.

Required site-specific Matrix Spike/Matrix Spike Duplicate (MS/MSD) must be requested by the client and sufficient sample must be submitted for the additional analyses. Samples submitted with insufficient volume/weight will not be analyzed for site specific MS/MSD, however a batch MS/MSD may be analyzed from a non-site specific sample.

CTDEP has published a list of analytical methods which provides a series of recommended protocols for the acquisition, analysis and reporting of analytical data in support of decisions being made utilizing the Reasonable Confidence Protocol (RCP). "Reasonable Confidence" can be established only for those methods published by the CTDEP in the RCP guidelines. The compounds and/or elements reported were specifically requested by the client on the Chain of Custody and in some cases may not include the full analyte list as defined in the method. Regulatory limits may not be achieved if specific method and/or technique was not requested on the Chain of Custody.

The CTDEP RCP requests that "all non-detects and all results below the reporting limit are reported as ND (Not Detected at the Specified Reporting Limit)". All non-detects and all results below the reporting limit are reported as "BRL" (Below the Reporting Limit) in this report.

If no reporting limits were specified or referenced on the chain-of-custody the laboratory's practical quantitation limits were applied.

Tetrachloro-m-xylene is recommended as a surrogate by the CTDEP RCP for the following SW846 Methods 8081, 8082 and 8151. Spectrum Analytical, Inc. uses Tetrachloro-m-xylene as the Internal Standard for these methods and Dibromooctaflourobiphenyl as the surrogate.

See below for any non-conformances and issues relating to quality control samples and/or sample analysis/matrix.

SW846 8082A

Samples:

SB38250-01 *IC9-D62-30"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

SB38250-02 *IC9-D61-30"*

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

4,4-DB-Octafluorobiphenyl (Sr) [2C]

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC9-D62-30"	185112.4000.0000	Substrate CMU	26-Oct-11 16:46	27-Oct-11
SB38250-01				

CAS No.	Analyte(s)	Result	Flag	Units	*RDL	MDL	Dilution	Method Ref.	Prepared	Analyzed	Analyst	Batch	Cert.
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 63.2		µg/kg dry	63.2	31.6	1	SW846 8082A	28-Oct-11	29-Oct-11	SM	1122493	X
11104-28-2	Aroclor-1221	< 63.2		µg/kg dry	63.2	56.9	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 63.2		µg/kg dry	63.2	40.6	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 63.2		µg/kg dry	63.2	37.2	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 63.2		µg/kg dry	63.2	31.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 63.2		µg/kg dry	63.2	46.3	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	948		µg/kg dry	63.2	28.2	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 63.2		µg/kg dry	63.2	58.8	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 63.2		µg/kg dry	63.2	19.8	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*75*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*6060*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*147*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*121*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	28-Oct-11	28-Oct-11	DT	1122527	

Sample Identification	Client Project #	Matrix	Collection Date/Time	Received
IC9-D61-30"	185112.4000.0000	Substrate CMU	26-Oct-11 16:54	27-Oct-11
SB38250-02				

CAS No.	*Analyte(s)*	*Result*	*Flag*	*Units*	**RDL*	*MDL*	*Dilution*	*Method Ref.*	*Prepared*	*Analyzed*	*Analyst*	*Batch*	*Cert.*
Semivolatile Organic Compounds by GC													
Polychlorinated Biphenyls by SW846 8082													
Prepared by method SW846 3540C													
12674-11-2	Aroclor-1016	< 61.1		µg/kg dry	61.1	30.5	1	SW846 8082A	28-Oct-11	29-Oct-11	SM	1122493	X
11104-28-2	Aroclor-1221	< 61.1		µg/kg dry	61.1	55.1	1	"	"	"	"	"	X
11141-16-5	Aroclor-1232	< 61.1		µg/kg dry	61.1	39.2	1	"	"	"	"	"	X
53469-21-9	Aroclor-1242	< 61.1		µg/kg dry	61.1	36.0	1	"	"	"	"	"	X
12672-29-6	Aroclor-1248	< 61.1		µg/kg dry	61.1	30.0	1	"	"	"	"	"	X
11097-69-1	Aroclor-1254	< 61.1		µg/kg dry	61.1	44.8	1	"	"	"	"	"	X
11096-82-5	Aroclor-1260	< 61.1		µg/kg dry	61.1	23.4	1	"	"	"	"	"	X
37324-23-5	Aroclor-1262	< 61.1		µg/kg dry	61.1	56.9	1	"	"	"	"	"	X
11100-14-4	Aroclor-1268	< 61.1		µg/kg dry	61.1	19.2	1	"	"	"	"	"	X
Surrogate recoveries:													
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr)*	*68*			*30-150 %*			"	"	"	"	"	
10386-84-2	*4,4-DB-Octafluorobiphenyl (Sr) [2C]*	*17700*	S02		*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr)*	*52*			*30-150 %*			"	"	"	"	"	
2051-24-3	*Decachlorobiphenyl (Sr) [2C]*	*63*			*30-150 %*			"	"	"	"	"	
General Chemistry Parameters													
	% Solids	99.3		%			1	SM2540 G Mod.	28-Oct-11	28-Oct-11	DT	1122527	

Semivolatile Organic Compounds by GC - Quality Control

Analyte(s)	Result	Flag	Units	*RDL	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Batch 1122493 - SW846 3540C										
Blank (1122493-BLK1)					Prepared: 28-Oct-11 Analyzed: 29-Oct-11					
Aroclor-1016	< 66.4		µg/kg wet	66.4						
Aroclor-1016 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1221	< 66.4		µg/kg wet	66.4						
Aroclor-1221 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1232	< 66.4		µg/kg wet	66.4						
Aroclor-1232 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1242	< 66.4		µg/kg wet	66.4						
Aroclor-1242 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1248	< 66.4		µg/kg wet	66.4						
Aroclor-1248 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1254	< 66.4		µg/kg wet	66.4						
Aroclor-1254 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1260	< 66.4		µg/kg wet	66.4						
Aroclor-1260 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1262	< 66.4		µg/kg wet	66.4						
Aroclor-1262 [2C]	< 66.4		µg/kg wet	66.4						
Aroclor-1268	< 66.4		µg/kg wet	66.4						
Aroclor-1268 [2C]	< 66.4		µg/kg wet	66.4						
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*64.0*		µg/kg wet		*66.4*		*97*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*79.0*		µg/kg wet		*66.4*		*119*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*78.0*		µg/kg wet		*66.4*		*118*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*81.0*		µg/kg wet		*66.4*		*122*	*30-150*		
LCS (1122493-BS1)					Prepared: 28-Oct-11 Analyzed: 29-Oct-11					
Aroclor-1016	**748**		µg/kg wet	60.8	760		98	50-140		
Aroclor-1016 [2C]	**822**		µg/kg wet	60.8	760		108	50-140		
Aroclor-1260	**772**		µg/kg wet	60.8	760		102	50-140		
Aroclor-1260 [2C]	**808**		µg/kg wet	60.8	760		106	50-140		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*52.0*		µg/kg wet		*60.8*		*86*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*60.2*		µg/kg wet		*60.8*		*99*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*60.8*		µg/kg wet		*60.8*		*100*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*68.4*		µg/kg wet		*60.8*		*113*	*30-150*		
LCS Dup (1122493-BSD1)					Prepared: 28-Oct-11 Analyzed: 29-Oct-11					
Aroclor-1016	**264**		µg/kg wet	20.0	250		106	50-140	7	30
Aroclor-1016 [2C]	**282**		µg/kg wet	20.0	250		113	50-140	4	30
Aroclor-1260	**262**		µg/kg wet	20.0	250		105	50-140	3	30
Aroclor-1260 [2C]	**273**		µg/kg wet	20.0	250		109	50-140	3	30
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr)	*18.2*		µg/kg wet		*20.0*		*91*	*30-150*		
Surrogate: 4,4-DB-Octafluorobiphenyl (Sr) [2C]	*19.7*		µg/kg wet		*20.0*		*98*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr)	*21.0*		µg/kg wet		*20.0*		*105*	*30-150*		
Surrogate: Decachlorobiphenyl (Sr) [2C]	*22.8*		µg/kg wet		*20.0*		*114*	*30-150*		

Notes and Definitions

S02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
dry	Sample results reported on a dry weight basis
NR	Not Reported
RPD	Relative Percent Difference

Laboratory Control Sample (LCS): A known matrix spiked with compound(s) representative of the target analytes, which is used to document laboratory performance.

Matrix Duplicate: An intra-laboratory split sample which is used to document the precision of a method in a given sample matrix.

Matrix Spike: An aliquot of a sample spiked with a known concentration of target analyte(s). The spiking occurs prior to sample preparation and analysis. A matrix spike is used to document the bias of a method in a given sample matrix.

Method Blank: An analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The method blank should be carried through the complete sample preparation and analytical procedure. The method blank is used to document contamination resulting from the analytical process.

Method Detection Limit (MDL): The minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

Reportable Detection Limit (RDL): The lowest concentration that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operating conditions. For many analytes the RDL analyte concentration is selected as the lowest non-zero standard in the calibration curve. While the RDL is approximately 5 to 10 times the MDL, the RDL for each sample takes into account the sample volume/weight, extract/digestate volume, cleanup procedures and, if applicable, dry weight correction. Sample RDLs are highly matrix-dependent.

Surrogate: An organic compound which is similar to the target analyte(s) in chemical composition and behavior in the analytical process, but which is not normally found in environmental samples. These compounds are spiked into all blanks, standards, and samples prior to analysis. Percent recoveries are calculated for each surrogate.

Continuing Calibration Verification: The calibration relationship established during the initial calibration must be verified at periodic intervals. Concentrations, intervals, and criteria are method specific.

Validated by:
Nicole Leja

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

PCB Bulk Product Waste Sample ID	PCB Bulk Product Waste Description	PCB Bulk Product Waste Sample Location	PCB Concentration (mg/kg)	Building Substate Sample ID	Substrate Sample Location	Building Substrate Sample Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Interior Building Materials									
IE3	Off-white, interior vertical expansion joint caulk found at expansion joints between CMU block	Expansion joint located on the east side of the main hallway in Wing D	110,000	IE3-C-6''	Auto Body Shop west interior wall, Wing C	CMU 6" from caulked seam	10/25/2010	10/26/2010	0.854
				IE3-D-6''	Health Bldg west interior hallway wall, Wing D	CMU 6" from caulked seam	10/25/2010	10/26/2010	**2.69**
				IE3-D-10''	Health Bldg west interior hallway wall, Wing D	CMU 10" from caulked seam	10/23/2010	11/2/2010	**1.785[2]**
				IE3-C-10''	Auto Body Shop west interior wall, Wing C	CMU 10" from caulked seam	10/23/2010	11/2/2010	**1.160**
				IE3-B2-12"	Southern interior wall Wing B	Brick 12" from caulked seam	12/28/2010	1/4/2011	0.0612
				IE3-C2-18"	Auto Body Shop west interior wall, Wing C	CMU 18" from caulked seam	12/28/2010	1/4/2011	0.969
				IE3-B4-18"	Southern interior wall Wing B	CMU 18" from caulked seam	12/28/2010	1/4/2011	ND<0.0578
				IE3-D2-18"	Interior wall Wing D	CMU 18" from caulked seam	12/29/2010	1/5/2011	**1.95[2]**
				IE3-C1-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	12/28/2010	1/4/2011	0.916
				IE3-C3-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	12/28/2010	1/4/2011	0.401
				IE3-C4-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	12/28/2010	1/4/2011	**3.75[2]**
				IE3-C6-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	12/28/2010	1/4/2011	0.858
				IE3-C7-24"	Auto Body Shop west interior wall, Wing C	CMU 24" from caulked seam	12/28/2010	1/4/2011	**2.24[2]**
				IE3-C8-24"	Auto Body Shop interior wall, Wing C	CMU 24" from caulked seam	12/30/2010	1/5/2011	**1.04**
				IE3-C9-24"	Auto Body Shop interior wall, Wing C	CMU 24" from caulked seam	12/30/2010	1/5/2011	**1.47[2]**
				IE3-B1-24"	Southern interior wall Wing B	Brick 24" from caulked seam	12/28/2010	1/4/2011	ND<0.0599
				IE3-B3-24"	Southern interior wall Wing B	CMU 24" from caulked seam	12/28/2010	1/4/2011	ND<0.052
				IE3-B5-24"	Southern interior wall Wing B	CMU 24" from caulked seam	12/28/2010	1/4/2011	0.317[2]
				IE3-B6-24"	Southern interior wall Wing B	CMU 24" from caulked seam	12/28/2010	1/5/2011	0.710[2]
				IE3-D1-24"	Interior wall Wing D	CMU 24" from caulked seam	12/29/2010	1/5/2011	**1.47[2]**
				IE3-D3-24"	Interior wall Wing D	CMU 24" from caulked seam	12/29/2010	1/5/2011	0.775
				IE3-D5-24"	Interior wall Wing D	CMU 24" from caulked seam	12/29/2010	1/5/2011	0.952
				IE3-D6-24"	Interior wall Wing D	CMU 24" from caulked seam	12/29/2010	1/5/2011	ND<0.0582
				IE3-C5-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	12/28/2010	1/4/2011	0.407
				IE3-D4-36"	Interior wall Wing D	CMU 36" from caulked seam	12/29/2010	1/5/2011	0.956

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

PCB Bulk Product Waste Sample ID	PCB Bulk Product Waste Description	PCB Bulk Product Waste Sample Location	PCB Concentration (mg/kg)	Building Substate Sample ID	Substrate Sample Location	Building Substrate Sample Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Interior Building Materials									
IE3	Off-white, interior vertical expansion joint caulk found at expansion joints between CMU block	Expansion joint located on the east side of the main hallway in Wing D	110,000	IE3-C10-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	1/22/2011	1/26/2011	**2.09**
				IE3-C12-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	1/22/2011	1/26/2011	0.806[2]
				IE3-C14-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	1/22/2011	1/26/2011	**1.05[2]**
				IE3-C16-36"	Auto Body Shop west interior wall, Wing C	CMU 36" from caulked seam	1/22/2011	1/26/2011	0.581[2]
				IE3-B27-36"	East interior wall, southeast corner of Wing B	CMU 36" from caulked seam	1/22/2011	1/26/2011	0.0935
				IE3-B29-36"	East interior wall, southeast corner of Wing B	CMU 36" from caulked seam	1/22/2011	1/26/2011	0.194
				IE3-B31-36"	Southern interior wall, southwest corner of Wing B	CMU 36" from caulked seam	1/22/2011	1/26/2011	0.418[2]
				IE3-D35-36"	Interior wall, west side of hallway, north side of Wing D	CMU 36" from caulked seam	1/23/2011	1/26/2011	**1.159[2]**
				IE3-D37-36"	Interior wall, east side of hallway, central portion of Wing D	CMU 36" from caulked seam	1/23/2011	1/26/2011	**1.260**
				IE3-D39-36"	Interior wall, east side of hallway, central portion of Wing D	CMU 36" from caulked seam	1/23/2011	1/26/2011	**1.050**
				IE3-C11-48"	Auto Body Shop west interior wall, Wing C	CMU, 48" from caulked seam	1/22/2011	1/26/2011	**1.090**
				IE3-C13-48"	Auto Body Shop west interior wall, Wing C	CMU, 48" from caulked seam	1/22/2011	1/26/2011	**1.098[2]**
				IE3-C15-48"	Auto Body Shop west interior wall, Wing C	CMU, 48" from caulked seam	1/22/2011	1/26/2011	0.516
				IE3-C17-48"	Auto Body Shop west interior wall, Wing C	CMU, 48" from caulked seam	1/22/2011	1/26/2011	0.729
				IE3-B28-48"	East interior wall, southeast corner of Wing B	CMU, 48" from caulked seam	1/22/2011	1/26/2011	0.113
				IE3-B30-48"	East interior wall, southeast corner of Wing B	CMU, 48" from caulked seam	1/22/2011	1/26/2011	0.117
				IE3-B32-48"	Southern interior wall, southwest corner of Wing B	CMU, 48" from caulked seam	1/22/2011	1/26/2011	0.371[2]
				IE3-D36-48"	Interior wall, west side of hallway, north side of Wing D	CMU, 48" from caulked seam	1/23/2011	1/26/2011	0.603
				IE3-D38-48"	Interior wall, east side of hallway, central portion of Wing D	CMU, 48" from caulked seam	1/23/2011	1/26/2011	0.461
				IE3-D40-48"	Interior wall, east side of hallway, central portion of Wing D	CMU, 48" from caulked seam	1/23/2011	1/26/2011	0.825
				IE3-C35-60"	Auto Body Shop west interior wall, Wing C	CMU, 60" from caulked seam	2/7/2011	2/10/2011	0.192
				IE3-C36-60"	Auto Body Shop west interior wall, Wing C	CMU, 60" from caulked seam	2/7/2011	2/10/2011	0.245[2]
IDC4	Pliable gray caulk found around interior door frames between the frame and CMU block	Door frame caulk around classroom door, west side of the main hallway in Wing D	43,000	IDC4-D-6''	LPN Theory room, east interior wall, Wing D	Concrete 6" from caulked seam	10/25/2010	10/26/2010	**2.09[2]**
				IDC4-D-9''	LPN Theory room, east interior wall, Wing D	Concrete 9" from caulked seam	10/23/2010	11/2/2010	**1.502[2]**
				IDC4-D18-12"	LPN Theory room, east interior wall, Wing D	Concrete 12" from caulked seam	12/29/2010	1/5/2010	**1.37**

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

PCB Bulk Product Waste Sample ID	PCB Bulk Product Waste Description	PCB Bulk Product Waste Sample Location	PCB Concentration (mg/kg)	Building Substate Sample ID	Substrate Sample Location	Building Substrate Sample Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Interior Building Materials									
IDC4	Pliable gray caulk found around interior door frames between the frame and CMU block	Door frame caulk around classroom door, west side of the main hallway in Wing D	43,000	IDC4-D20-12"	LPN Theory room, east interior wall, Wing D	Concrete 12" from caulked seam	12/29/2010	1/5/2011	**2.98**[2]
				IDC4-D19-24"	LPN Theory room, east interior wall, Wing D	Concrete 24" from caulked seam	12/29/2010	1/5/2010	ND<0.0571
				IDC4-D21-24"	LPN Theory room, east interior wall, Wing D	Concrete 24" from caulked seam	12/29/2010	1/5/2011	**1.06**
				IDC4-D41-36"	LPN Theory room, east interior wall, Wing D	Concrete 36" from caulked seam	1/23/2011	1/26/2011	0.766
				IDC4-D43-36"	LPN Theory room, east interior wall, Wing D	Concrete 36" from caulked seam	1/23/2011	1/26/2011	0.671
				IDC4-D42-48"	LPN Theory room, east interior wall, Wing D	Concrete 48" from caulked seam	1/23/2011	1/26/2011	0.241
				IDC4-D44-48"	LPN Theory room, east interior wall, Wing D	Concrete 48" from caulked seam	1/23/2011	1/26/2011	0.578
IC4	Grey, rubbery interior windo caulk found along the bottom of window unit, between the frame and a concrete sill	Western wall of the LPN Theory Lab on the west side of the hallway; Wing D	53,000	IC4-B8-Sill	Interior wall beneath windows, Wing B	Stone sill in contact with caulk	12/29/2010	1/5/2011	**1.65**
				IC4-D8-Sill	Interior wall beneath windows, Wing D	Stone sill in contact with caulk	12/29/2010	1/5/2011	**11.68**[2]
				IC4-D11-Sill	Interior wall beneath windows, Wing D	Stone sill in contact with caulk	12/29/2010	1/5/2011	**3.22**
				IC4-D14-Sill	Interior wall beneath windows, Wing D	Stone sill in contact with caulk	12/29/2010	1/5/2011	**5.41**
				IC4-B7-6"	Interior wall beneath windows, Wing B	Concrete 6" from caulked seam	12/29/2010	1/5/2011	0.965
				IC4-B9-6"	Interior wall beneath windows, Wing B	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**1.81**[2]
				IC4-B10-6"	Interior wall beneath windows, Wing B	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**1.77**[2]
				IC4-B11-6"	Interior wall beneath windows, Wing B	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**1.91**
				IC4-D7-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**4.78**[2]
				IC4-D9-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**4.08**[2]
				IC4-D10-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**1.51**
				IC4-D12-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**2.59**[2]
				IC4-D13-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**3.49**
				IC4-D15-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**4.54**[2]
				IC4-D16-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**3.29**[2]
				IC4-D17-6"	Interior wall beneath windows, Wing D	Concrete 6" from caulked seam	12/29/2010	1/5/2011	**3.02**[2]
				IC4-B23-1C	Interior west wall, Graphics Room, Wing B	1 course of CMU block from seam	1/22/2011	1/26/2011	0.326
				IC4-D47-1C	Interior east wall, Room D17, Wing D	1 course of CMU block from seam	1/23/2011	1/26/2011	**3.21**[2]
				IC4-B24-2C	Interior west wall, Graphics Room, Wing B	2 courses of CMU block from seam	1/22/2011	1/26/2011	0.820

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

PCB Bulk Product Waste Sample ID	PCB Bulk Product Waste Description	PCB Bulk Product Waste Sample Location	PCB Concentration (mg/kg)	Building Substate Sample ID	Substrate Sample Location	Building Substrate Sample Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Interior Building Materials									
IC4	Grey, rubbery interior windo caulk found along the bottom of window unit, between the frame and a concrete sill	Western wall of the LPN Theory Lab on the west side of the hallway; Wing D	53,000	IC4-B25-2C	Interior north wall, office inside Graphics Room, Wing B	2 courses of CMU block from seam	1/22/2011	1/26/2011	ND<0.0586
				IC4-B26-2C	Interior south wall, office at rear of Metal Shop, Wing B	2 courses of CMU block from seam	1/22/2011	1/26/2011	ND<0.049
				IC4-D48-2C	Interior east wall, Room D17, Wing D	2 courses of CMU block from seam	1/23/2011	1/26/2011	**3.26**[2]
				IC4-D49-2C	Interior west wall, Wing B	2 courses of CMU block from seam	1/23/2011	1/26/2011	**2.228**[2]
				IC4-D50-2C	Interior west wall, Wing B	2 courses of CMU block from seam	1/23/2011	1/26/2011	**1.370**
				IC4-D51-2C	Interior east wall, Room D15, Wing D	2 courses of CMU block from seam	1/23/2011	1/26/2011	**1.740**
				IC4-D57-4C	Interior east wall, Room D15, Wing D	4 courses of CMU block from seam	2/7/2011	2/10/2011	ND<0.0624
				IC4-D58-4C	Interior east wall, Room D17, Wing D	4 courses of CMU block from seam	2/7/2011	2/10/2011	0.715
				IC4-D59-4C	Interior west wall, Room D16, Wing D	4 courses of CMU block from seam	2/7/2011	2/10/2011	0.595[2]
				IC4-D60-4C	Interior west wall, LPN Theory Room, Wing D	4 courses of CMU block from seam	2/7/2011	2/10/2011	0.336
IC5	Dark brown rubbery caulk found between the metal window frame and CMU block	Wing D; Northeastern side of foyer, along the northern side of builidng	54,000	IC5-D-6''	Northeast entry foyer interior window/wall, Wing D	Concrete 6" from caulked seam	10/25/2010	10/26/2010	0.804[2]
				IC5-D-9''	Northeast entry foyer interior window/wall, Wing D	Concrete 9" from caulked seam	10/23/2010	11/2/2010	0.391
				IC5-D45-9"	Northeast entry foyer interior window/wall, Wing D	Concrete 9" from caulked seam	1/23/2011	1/26/2011	0.693
IC9	Tan door frame caulk, found around door frame, between the metal door frame and CMU block	Wing D; Small office in Room D15	43,200	IC9-D46-12"	Interior wall of small office, Room D15, Wing D	12" from caulked door seam	1/23/2011	1/26/2011	**3.42**[2]
				IC9-D55-24"	Interior wall of small office, Room D15, Wing D	24" from caulked door seam	2/7/2011	2/10/2011	0.605[2]
				IC9-D56-30"	Interior wall of small office, Room D15, Wing D	30" from caulked door seam	2/7/2011	2/10/2011	0.338
Exterior Building Materials									
E1	Grey, rubbery exterior expansion joint caulk found at vertical expansion joints between brick	Western exterior wall of Wing A, between the Wing A and the northern exterior wall of Wing D	85,000	E1-C-3"	East side, Cafeteria, Exterior Wing C	Brick 3" from caulked seam	10/23/2010	11/3/2010	ND<0.0655
				E1-C-6''	East side, Cafeteria, Exterior Wing C	Brick 6" from caulked seam	10/25/2010	10/26/2010	ND<0.0653
				E1-C30-6"	East side, Cafeteria, Exterior Wing C	Brick 6" from caulked seam	1/22/2011	1/26/2011	ND<0.0497
				E1-A2-6"	Exterior wall, west side of building, Wing A	Brick 6" from caulked seam	12/30/2010	1/6/2011	ND<0.0613
				E1-A1-12"	Exterior wall, west side of building, Wing A	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0653
				E1-A3-12"	Exterior wall, west side of building, Wing A	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.0944
				E1-A4-12"	Exterior wall, west side of building, Wing A	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.299
				E1-A5-12"	Exterior wall, west side of building, Wing A	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0585

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

PCB Bulk Product Waste Sample ID	PCB Bulk Product Waste Description	PCB Bulk Product Waste Sample Location	PCB Concentration (mg/kg)	Building Substate Sample ID	Substrate Sample Location	Building Substrate Sample Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Exterior Building Materials									
E1	Grey, rubbery exterior expansion joint caulk found at vertical expansion joints between brick	Western exterior wall of Wing A, between the Wing A and the northern exterior wall of Wing D	85,000	E1-A6-12"	Western exterior wall, west side of Wing A	Brick 12" from caulked seam	1/23/2011	1/26/2011	ND<0.0533
				E1-C31-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.063
				E1-C32-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.066
				E1-C33-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0631
				E1-C34-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0558
E2	Dark grey rubber expansion joint caulk found at vertical expansion joints between brick	Western exterior wall of Wing D, beneath window	12,000	E2-D18-6"	Exterior wall, Wing D	Brick 6" from caulked seam	12/30/2010	1/5/2011	ND<0.0708
				E2-D21-6"	Exterior wall, Wing D	Brick 6" from caulked seam	12/30/2010	1/6/2011	0.275
				E2-D31-6"	Exterior wall, Wing D	Brick 6" from caulked seam	12/30/2010	1/6/2011	0.232
				E2-D33-6"	Exterior wall, Wing D	Brick 6" from caulked seam	12/30/2010	1/6/2011	**2.22**
				E2-B16-6"	Northern exterior wall, outside of garage, Wing C	Brick 6" from caulked seam	1/22/2011	1/26/2011	0.0784
				E2-B12-12"	Exterior wall, Wing B	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.136
				E2-B13-12"	Exterior wall, Wing B	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0645
				E2-B14-12"	Exterior wall, Wing B	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0614
				E2-B15-12"	Exterior wall, Wing B	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.0717
				E2-D19-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/5/2011	ND<0.0678
				E2-D20-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/5/2011	0.78
				E2-D22-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.083
				E2-D23-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0638
				E2-D24-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.107
				E2-D25-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.281
				E2-D26-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0582
				E2-D27-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0541
				E2-D28-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.234[2]
				E2-D29-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.132
				E2-D30-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	ND<0.0553

TABLE 2
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS SUMMARY
Eli Whitney Technical Hightschool Demolition and Renovation Project
Hamden, Connecticut

PCB Bulk Product Waste Sample ID	PCB Bulk Product Waste Description	PCB Bulk Product Waste Sample Location	PCB Concentration (mg/kg)	Building Substate Sample ID	Substrate Sample Location	Building Substrate Sample Description	Date Sampled	Date Analyzed	PCB Concentration (mg/kg)[1]
Exterior Building Materials									
E2	Dark grey rubber expansion joint caulk found at vertical expansion joints between brick	Western exterior wall of Wing D, beneath window	12,000	E2-D32-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.214
				E2-D34-12"	Exterior wall, Wing D	Brick 12" from caulked seam	12/30/2010	1/6/2011	0.227
				E2-B17-12"	Northern exterior wall, outside of maintenance garage, Wing B	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0605
				E2-B18-12"	Northern exterior wall, outside of maintenance garage, Wing B	Brick 12" from caulked seam	1/22/2011	1/26/2011	0.119
				E2-B19-12"	Western exterior wall, Wing B	Brick 12" from caulked seam	1/22/2011	1/26/2011	0.0732
C2	Light grey rubber exterior window caulk, found along the vertical sides of the window frame, between the window frame and brick	Western exterior wall of Wing D, beneath window sill	55,000	C2-C-3''	East side, Auto Body Shop, Exterior Wing C	Brick 3" from caulked seam	10/23/2010	11/3/2010	ND<0.0606
				C2-C-6''	East side, Auto Body Shop, Exterior Wing C	Brick 6" from caulked seam	10/25/2010	10/26/2010	ND<0.06
				C2-C-6'' A	East side, Auto Body Shop, Exterior Wing C	Brick 6" from caulked seam	10/25/2010	10/26/2010	ND<0.0562
				C2-C18-6"	Eastern exterior wall, outside garage, Wing C	Brick 6" from caulked seam	1/22/2011	1/26/2011	ND<0.0546
				C2-C20-6"	Western exterior wall, southern portion of building, Wing C	Brick 6" from caulked seam	1/22/2011	1/26/2011	ND<0.0608
				C2-B20-6"	Western exterior wall, southern portion of building, Wing B	Brick 6" from caulked seam	1/22/2011	1/26/2011	ND<0.0605
				C2-D52-6"	Western exterior wall, southern portion of building, Wing D	Brick 6" from caulked seam	1/23/2011	1/26/2011	ND<0.052
				C2-C19-12"	Eastern exterior wall, outside garage, Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0649
				C2-C21-12"	Eastern exterior wall, outside garage, Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0508
				C2-C22-12"	Eastern exterior wall, outside garage, Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0449
				C2-C23-12	Eastern exterior wall, outside garage, Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.067
				C2-C24-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0602
				C2-C25-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0671
				C2-C26-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0688
				C2-C27-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0674
				C2-C28-12"	East side, Cafeteria, Exterior Wing C	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0660
				C2-B21-12"	Western exterior wall, southern portion of building, Wing B	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.0496
				C2-B22-12"	Southern exterior wall of building, Wing B	Brick 12" from caulked seam	1/22/2011	1/26/2011	ND<0.050
				C2-D53-12"	Western exterior wall, southern portion of building, Wing D	Brick 12" from caulked seam	1/23/2011	1/26/2011	ND<0.062
				C2-D54-12"	Western exterior wall, southern portion of building, Wing D	Brick 12" from caulked seam	1/23/2011	1/26/2011	ND<0.0657

Notes:

ND< Not detected above the listed detection limit

[1] PCB Concentration is the total PCB concentration. The only value detected is Aroclor-1254 unless otherwise noted.

[2] PCB Concentration is comprised of Aroclor-1254 and Aroclor-1260.

C2-C-6" A is a field duplicate to C2-C-6

From: "Plimpton, Erik (Windsor,CT-US)"
<EPlimpton@trcsolutions.com>
To: Katherine Woodward/R1/USEPA/US@EPA
Cc: Kimberly Tisa/R1/USEPA/US@EPA, "Gille, Richard (Windsor,CT-US)" <RGille@trcsolutions.com>
Date: 01/31/2012 07:07 PM
Subject: Re: Eli Whitney HS

IC4 is only a horizontal application between window frame and limestone sill with Concrete (CMU) below that. IC4 does not run vertical up window frame.

Current proposed plan is to remove sill and 4 courses of CMU below sill and perform verification sampling as noted in the prior response to comments

Erik R. Plimpton, PE, CHMM
TRC
860-798-4699
eplimpton@trcsolutions.com

Sent from my iPhone

On Jan 31, 2012, at 6:11 PM, "Woodward.Katherine@epamail.epa.gov"
<Woodward.Katherine@epamail.epa.gov> wrote:

>
> Erik,
>
> Just wanted to find out how you were coming on getting the information
> for the IC4 caulk and adjacent substrate that we need to finish the
> Approval. We are very close to being able to staff the document and
> would love to be able to do so this week.
>
> Thanks
>
> Kate
>
> Katherine Woodward, PE
> Environmental Protection Agency
> 5 Post Office Square, Suite 100
> Mail Code: OSRR07-2
> Boston, MA 02109-3912
> Phone: 617-918-1353
>
>

00 31 26.45

BI-RT-837 PCB EPA Approval Notice 02-07-12 and DCS Acceptance 02-12-12

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION I
5 POST OFFICE SQUARE, SUITE 100
BOSTON, MA 02109-3912

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

FEB 07 2012

Joseph V. Cassidy, P.E.
Director of Technical Services
Department of Public Works
165 Capitol Avenue, Room 275
Hartford, Connecticut 06106

Re: PCB Cleanup and Disposal Approval under 40 CFR §§ 761.61(a) and (c) and § 761.79(h)
Eli Whitney Technical High School
Hamden, Connecticut

Dear Mr. Cassidy:

This is in response to the Connecticut Department of Public Works (CT DPW) Notification[1] for approval to clean up and dispose of PCB-contaminated building materials located in the building known as the Eli Whitney Technical High School (the Site) located at 71 Jones Road, Hamden, Connecticut. The Site contains PCB caulk and glazing that exceeds the allowable PCB levels under the federal PCB regulations at 40 CFR § 761.20(a) and § 761.62.

In its Notification, CT DPW has proposed the following PCB cleanup and disposal plan:

- Remove greater than or equal to (≥ 50 parts per million (ppm) PCB caulk and *non-porous surfaces* (i.e., metal frames and lintels) in direct contact with caulk and dispose in a TSCA approved or RCRA hazardous waste landfill

- Remove soil with greater than (>) 1 ppm but less than (<) 50 ppm and dispose of in accordance with § 761.61(a)(5)(i)(B)(*2*)(*ii*)

- Conduct verification sampling of soils in accordance with Subpart O to document that the PCB cleanup standard of less than or equal to (≤) 1 ppm has been met

[1] Information was submitted by TRC on behalf of the CT DPW to satisfy the notification requirement under 40 CFR §§ 761.61(a)(3) and (c). Information was submitted dated June 28, 2011 (Self-Implementing On-Site Cleanup and Disposal Plan (SIDP)); November 22, 2011 (Response to EPA Comments); and January 31, 2012 (email clarification of IC4 caulk). These submittals shall be referred to as the "Notification".

- Remove *porous surfaces* (e.g., brick, CMU, and concrete) in contact with ≥50 ppm PCB caulk to the distance specified in the Notification and dispose in a TSCA approved or RCRA hazardous waste landfill. Specifically:

  - Remove 48 inches of CMU/concrete located adjacent to the IDC4 caulk joint
  - Remove stone sills in contact with IC4 caulk, in their entirety, and 4 courses of CMU/concrete located beneath the stone sill
  - Remove a minimum of 9 inches or 1 course of CMU/concrete (whichever is greater), located adjacent to the IC5 caulk joint
  - Remove a minimum of 30 inches or 2 courses of CMU/concrete (whichever is greater), located at the IC9 caulk joint
  - Remove 60 inches of CMU/concrete on either side of the IE3 caulk joint
  - Remove 12 inches of brick located on either side of the E1 caulk joint
  - Remove 12 inches of brick located on either side of the E2 caulk joint
  - Remove 12 inches of brick located adjacent to the C2 caulk joint

- Conduct verification sampling of *porous surfaces* at the IC4 caulk and IE3 caulk locations where pre-verification sampling was not successful, to document that the PCB cleanup standard of ≤ 1 ppm has been met

CT DPW has determined that glazing sealants and certain caulk, which have PCB concentrations at < 50 ppm are *Excluded PCB Products*. Under the PCB regulations, *Excluded PCB Products* are authorized for use and thus there is no requirement to remove these building materials or to decontaminate surfaces that are in contact with these building materials. However, as indicated in the Notification, these materials will be removed and disposed of under the Connecticut Department of Energy and Environmental Protection (CT DEEP) Regulations.

With exception of the verification sampling requirement, the information provided in the Notification meets the requirements under 40 CFR §§ 761.61, 761.62, and 761.79(h) for cleanup and disposal of *PCB bulk product wastes* and *PCB remediation wastes*. Further, the proposed decontamination and disposal activities are consistent with the requirements and standards established under § 761.61(a), § 761.62, § 761.79 for similar types of PCB-contaminated materials.

Based on the results of the PCB sampling to-date and the proposed cleanup and disposal approach for *porous surfaces*, EPA has determined that the pre-verification sampling and proposed verification sampling frequencies for the *porous surfaces* are adequate to confirm that PCB cleanup standard of ≤1 ppm has been met. EPA finds that the alternative sampling frequency will not create an unreasonable risk to public health or the environment and EPA may approve the alternative sampling under § 761.61(c).

CT DPW may proceed with its cleanup in accordance with 40 CFR § 761.61(a); § 761.62; § 761.79(h); its Notification; and this Approval, subject to the conditions of Attachment 1.

As in the past, EPA understands that there will be public outreach efforts to teachers, parents, students and staff prior to initiating and during the work proposed in the Notification.

This Approval does not release CT DPW or Connecticut Department of Education (CT DOE) from any applicable requirements of federal, state or local law, including the requirements related to cleanup and disposal of PCBs or other contaminants under the CT DEEP regulations.

EPA shall not consider this project complete until it has received all submittals required under this Approval. Please be aware that upon EPA receipt and review of the submittals, EPA may request any additional information necessary to establish that the work has been completed in accordance with 40 CFR Part 761, the Notification, and this Approval.

Sincerely,

James T. Owens III, Director
Office of Site Remediation & Restoration

cc: R. Cutler, CT DPW
Principal B. Heston, Eli Whitney
E. Plimpton, TRC
B. Toal, CT DPH
G. Trombly, CT DEEP
J. Woodmansee, CT DOE
File

Attachment 1: Approval Conditions

ATTACHMENT 1

PCB CLEANUP AND DISPOSAL APPROVAL CONDITIONS
ELI WHITNEY TECHNICAL HIGH SCHOOL ("the Site")
71 JONES ROAD, HAMDEN, CONNECTICUT

GENERAL CONDITIONS

1. This Approval is granted under the authority of Section 6(e) of the Toxic Substances Control Act (TSCA), 15 U.S.C. § 2605(e), and the PCB regulations at 40 CFR Part 761, and applies solely to the *PCB bulk product waste* and the *PCB remediation waste* located at the Site and identified in the Notification [(2)].

2. The Connecticut Department of Public Works (CT DPW) shall conduct on-site activities in accordance with the conditions of this Approval and with the Notification.

3. In the event that the cleanup plan described in the Notification differs from the conditions specified in this Approval, the conditions of this Approval shall govern.

4. The terms and abbreviations used herein shall have the meanings as defined in 40 CFR § 761.3 unless otherwise defined within this Approval.

5. CT DPW must comply with all applicable federal, state and local regulations in the storage, handling, and disposal of all PCB wastes, including PCBs, PCB Items and decontamination wastes generated under this Approval. In the event of a new spill during response actions, CT DPW shall contact EPA within 24 hours for direction on PCB cleanup and sampling requirements.

6. CT DPW is responsible for the actions of all officers, employees, agents, contractors, subcontractors, and others who are involved in activities conducted under this Approval. If at any time CT DPW has or receives information indicating that CT DPW or any other person has failed, or may have failed, to comply with any provision of this Approval, it must report the information to EPA in writing within 24 hours of having or receiving the information.

7. This Approval does not constitute a determination by EPA that the transporters or disposal facilities selected by CT DPW are authorized to conduct the activities set forth in the Notification. CT DPW is responsible for ensuring that its selected transporters and disposal facilities are authorized to conduct these activities in accordance with all applicable federal, state and local statutes and regulations.

---

[2] Information was submitted by TRC on behalf of the CT DPW to satisfy the notification requirement under 40 CFR §§ 761.61(a)(3) and (c). Information was submitted dated June 28, 2011 (Self-Implementing On-Site Cleanup and Disposal Plan (SIDP)); and November 22, 2011 (Response to EPA Comments); and January 31, 2012 (email clarification of IC4 caulk). These submittals shall be referred to as the "Notification".

8. This Approval does not: 1) waive or compromise EPA's enforcement and regulatory authority; 2) release CT DPW from compliance with any applicable requirements of federal, state or local law; or 3) release CT DPW from liability for, or otherwise resolve, any violations of federal, state or local law.

NOTIFICATION AND CERTIFICATION CONDITIONS

9. This Approval may be revoked if the EPA does not receive written notification from CT DPW of its acceptance of the conditions of this Approval within 10 business days of receipt.

10. CT DPW shall submit the following information for EPA review and/or approval:

    a. a certification signed by its selected contractor, stating that the contractor(s) has read and understands the Notification, and agrees to abide by the conditions specified in this Approval;

    b. a contractor work plan, prepared and submitted by the selected demolition or abatement contractor(s) describing the containment and air monitoring that will be employed during abatement activities. This work plan should also include information on how and where wastes will be stored and disposed of, and on how field equipment will be decontaminated; and,

    c. a certification signed by the selected analytical laboratory, stating that the laboratory has read and understands the extraction and analytical methods and quality assurance requirements specified in the Notification and in this Approval.

REMEDIAL and DISPOSAL CONDITIONS

11. To the maximum extent practical, engineering controls, such as barriers, and removal techniques, such as the use of HEPA ventilated tools, shall be utilized during removal processes. In addition, to the maximum extent possible, disposable equipment and materials, including PPE, will be used to reduce the amount of decontamination necessary.

12. PCB-contaminated materials shall be decontaminated and confirmatory sampling and analysis shall be conducted as described below:

    a. All visible residues of PCB-contaminated caulk (i.e. *PCB bulk product waste*) shall be removed as described in the Notification.

b. Bulk *PCB remediation waste* (i.e. soil) samples shall be collected on a bulk basis (e.g. mg/Kg) and reported on a dry-weight basis. Verification sampling shall comply with Subpart O; samples shall be collected from both excavation bottoms and sidewalls, as applicable.

c. Sampling for *porous surfaces* shall be performed on a bulk basis (i.e., mg/Kg) and reported on a dry weight analysis. Sampling for *porous surfaces* shall be conducted in accordance with the EPA Region 1 *Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs) Revision 4, May 5, 2011*, at a maximum depth interval of 0.5 inches, and in accordance with the frequency specified below.

   i) IC4: Verification samples of *porous surfaces* (i.e. concrete masonry) shall be collected a minimum of 1 sample every 50 linear feet (minimum 12 samples)

   ii) IE3: Verification samples of *porous surfaces* (i.e. concrete masonry) shall be collected at a minimum of 1 sample every 50 linear feet (minimum 20 samples)

d. Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846 for solid matrices and Method 3500B/3510C of SW-846 for aqueous matrices; and, chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another extraction or analytical method(s) is validated according to Subpart Q.

e. In the event any verification sample is greater than (>) 1 part per million (ppm), CT DPW shall contact EPA to determine the appropriate verification sampling frequency for the remaining *porous surfaces*.

13. All PCB waste (regardless of concentration) generated as a result of the activities described in the Notification, excluding any decontaminated materials, shall be marked in accordance with § 761.40; stored in a manner prescribed in § 761.65; and, disposed of in accordance with 40 CFR § 761.61(a)(5) or § 761.62, unless otherwise specified below:

a. Decontamination wastes and residues shall be disposed of in accordance with 40 CFR § 761.79(g).

b. Moveable equipment, tools, and sampling equipment shall be decontaminated in accordance with either 40 CFR § 761.79(b)(3)(i)(A), § 761.79(b)(3)(ii)(A), or § 761.79(c)(2).

c. PCB-contaminated water generated during decontamination shall be decontaminated in accordance with 40 CFR § 761.79(b)(1) or disposed of under § 761.60.

INSPECTION, MODIFICATION AND REVOCATION CONDITIONS

14. CT DPW shall allow any authorized representative of the Administrator of the EPA to inspect the Site and to inspect records and take samples as may be necessary to determine compliance with the PCB regulations and this Approval. Any refusal by CT DPW to allow such an inspection (as authorized by Section 11 of TSCA) shall be grounds for revocation of this Approval.

15. Any proposed modification(s) in the plan, specifications, or information in the Notification must be submitted to EPA no less than 14 calendar days prior to the proposed implementation of the change. Such proposed modifications will be subject to the procedures of 40 CFR § 761.61(a)(3)(ii).

16. Any departure from the conditions of this Approval without prior, written authorization from the EPA may result in the revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

17. Any misrepresentation or omission of any material fact in the Notification or in any records or reports may result in the EPA's revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

RECORDKEEPING AND REPORTING CONDITIONS

18. CT DPW shall prepare and maintain all records and documents required by 40 CFR Part 761, including but not limited to the records required under Subparts J and K. A written record of the decontamination and the analytical sampling shall be established and maintained by CT DPW in one centralized location, until such time as EPA approves in writing a request for an alternative disposition of such records. All records shall be made available for inspection to authorized representatives of EPA.

19. CT DPW shall submit a final report to the EPA within 60 days of completion of the activities authorized under this Approval. At a minimum, this final report shall include: a short narrative of the project activities; characterization and confirmation sampling analytical results, including indoor air sampling results; copies of the accompanying analytical chains of custody; field and laboratory quality control/quality assurance checks; an estimate of the quantity of PCB waste disposed of and the size of the decontaminated area(s); copies of manifests; and, copies of certificates of disposal or similar certifications issued by the disposer.

20. Required submittals shall be mailed to:

    Kimberly N. Tisa, PCB Coordinator (OSRR07-2)
    United States Environmental Protection Agency
    5 Post Office Square, Suite 100
    Boston, Massachusetts 02109-3912
    Telephone: (617) 918-1527
    Facsimile: (617) 918-0527

21. No record, report or communication required under this Approval shall qualify as a self-audit or voluntary disclosure under EPA audit, self-disclosure or penalty policies.

****

END OF ATTACHMENT 1

STATE OF CONNECTICUT
DEPARTMENT OF CONSTRUCTION SERVICES

VIA CERTIFIED MAIL
VIA E-MAIL
VIA FACSIMILE

February 15, 2012

Kimberly N. Tisa, PCB Coordinator (OSRR07-2)
United States Environmental Protection Agency
5 Post Office Square, Suite 100
Boston, Massachusetts ·02109-3912

NOTIFICATION OF ACCEPTANCE OF CONDITIONAL APPROVAL FOR ELI WHITNEY TECHNICAL HIGH SCHOOL 71 JONES ROAD, HAMDEN, CT

Dear Ms. Tisa:

The Connecticut Department of Construction Services ("CT DCS", formerly known as the Connecticut Department of Public Works, prior to July 1, 2011) received the Approval letter dated February 7, 2012 for the PCB Cleanup and Disposal at the Eli Whitney Technical High School, located at 71 Jones Road, Hamden, Connecticut on February 10, 2012. In accordance with Condition #9 of Attachment 1 of the Approval Letter, DCS accepts the conditions of the subject Approval.

Should you have any questions, please contact Rebecca Cutler at (860) 713-5762 or via e-mail at rebecca.cutler@ct.gov

Sincerely,

Joseph V. Cassidy, P.E.
Director of Technical Services
Connecticut Department of Construction Services

cc: J. Woodmansee, CT DOE
A. Richmond, CT DOE
B. Heston, Principal, Eli Whitney THS
G. Trombly, CT DEEP
E. Plimpton, TRC
B. Toal, CT DPH
N. Raimondi, CT DCS
J. Bolton, CT DCS
R. Cutler, CT DCS

00 31 26.47

Radon Sampling Report

06/18/2012

Project No. BI-RT-837

ENVIROMED SERVICES, INC.

Radon Sampling Report
of

Eli Whitney Regional Vocational Technical High School
71 Jones Road
Hamden, Connecticut 0614

PREPARED FOR:

Connecticut Technical High School System
25 Industrial Park Road
Middletown, Connecticut 06457

December 12, 2007

Project # IH-06-0280G

470 Murdock Avenue • Meriden, Connecticut 06450
(203) 238-4846 • facsimile (203) 238-4243

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Appendix A: Laboratory Results
Appendix B: Water Results
Appendix C: School Radon Testing Report Form

I. SUMMARY

EnviroMed Services, Inc. was retained by the Connecticut Technical High School System to conduct monitoring for radon at Eli Whitney Technical High School, located 71 Jones Road, Hamden, Connecticut. The purpose of this monitoring was to determine if indoor radon levels were below the U.S. Environmental Protection Agency (EPA) recommended exposure limit of 4.0 picoCuries per liter of air (pCi/L). Additionally, a water sample was collected from the school building in order to determine radon concentrations in the water. The monitoring was conducted from December 10 to December 13, 2007 by National Radon Safety Board (NRSB) accredited professional Ling Xu.

II. RADON FACTS AND HEALTH RISK INFORMATION

Radon is the second leading cause of lung cancer. Radon is naturally occurring radioactive gas. It comes from the natural breakdown (decay) of uranium, which is found in soil and rock all over the United States. Radon travels through soil and enters buildings through cracks and other holes in the foundation. Eventually, it decays into radioactive particles that can become trapped in our lungs when we breathe. As these particles in turn decay, they release small bursts of radiation. This radiation can damage lung tissue and lead to lung cancer over the course of our lifetime.

Radon is colorless, odorless, and tasteless. The only way to know whether or not an elevated level of radon is present in any room of a school is to test.

III. SAMPLING METHODOLOGY

Radon in Air

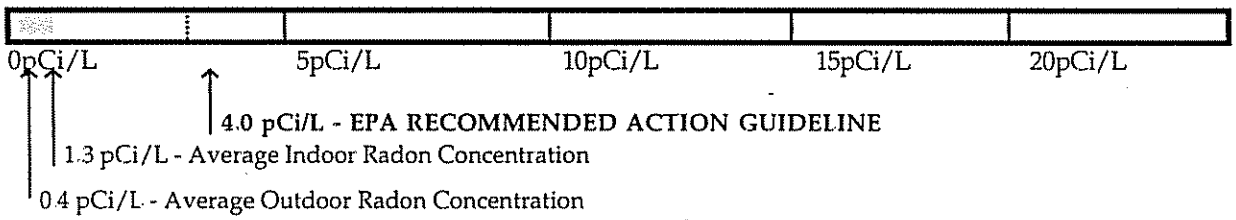
Monitoring was performed in all occupied rooms that come in contact with the ground within the school. One hundred thirty-nine (139) monitoring devices were placed in designated sample locations at a minimum of 20 inches off the floor, more than three feet from exterior walls and windows. They were opened and allowed to be exposed to the indoor atmosphere for forty-eight to ninety-six hours, which complies with the Connecticut Department of Public Health (CT DPH) School Radon Testing Guidance and United States Environmental Protection Agency (US EPA) sampling protocol. Upon completion of the monitoring, the radon test kits were packed and mailed to a State certified laboratory for analysis, EMSL Analytical, Inc. of Westmont, New Jersey. All radon results can be found in Appendix A.

In order to provide assurance of the quality of the measurement duplicate (10%) and blank (5%) samples accompanied all testing activities and were submitted to the laboratory at the same time. Duplicate sample #'s are 6205 and 7492, 6207 and 8087, 6467 and 7645, 6239 and 8709, 6203 and 7383, 6240 and 8565, 5994 and 8273, 1993 and 3341, 2001 and 3364, 7203 and 8822, 6199 and 7555, 6186 and 7407, and 6204 and 7582 (Office 5, Social Study Class, Adult Education Offices, Demonstration Room D-7, Drafting Shop Class 1, Graphic Shop, Electric Shop Locker Room, Carpentry Classroom, Autobody Shop, Visiting Girls Locker Room, Cafeteria, and Conference Room), respectively. Blank sample #'s are 6197, 6194, 6208, 6218, 6183, 1477, and 1476.

Radon in Water

A representative sample of the water in the distribution system was collected by radon professionals listed by the CT DPH. The system was flushed for approximately 5 minutes and the water sample was collected from a kitchen sink by using the immersion technique and approved TFE lined glass vials with no air bubbles present. Upon completion, samples were mailed to an EPA certified laboratory for analysis, Accustar Labs of Medway, Massachusetts. The water results can be found in Appendix B.

Use the following chart to compare your radon test results, expressed in picoCuries of radon per liter of air (pCi/L), with the EPA guidelines.



The CT DPH School Radon Testing Guidance and the US EPA strongly recommend taking further action when the radon test results are 4.0 picoCuries per liter of air (pCi/L) or greater.

The national average indoor radon level is about 1.3 pCi/L. The higher the radon level, the greater the health risk to occupants. There are straightforward ways to fix a radon problem that are not too costly. Even high levels can be reduced to below 4.0 pCi/L. EPA recommends that you use an EPA and State-approved contractor trained to fix radon problems.

IV. WHAT DO THE RADON TEST RESULTS MEAN?

If the radon level is below 4.0 pCi/L, you do not need to take action.

If the radon level is 4.0 pCi/L or greater, use the following chart to determine what should be done next. Depending upon the type of test taken, you will have to either test again or take corrective actions to reduce the radon level.

Note: All tests should meet EPA technical protocols.

Type of Test(s)	*If Radon Level Is 4.0 pCi/L or Greater*
Single Short-Term Test	*Test Again**
Average of Short-Term Tests	*Fix The Problem*
One Long-Term Test	*Fix The Problem*

*If your first short-term test is several times greater than 4.0 pCi/L - for example, about 10 pCi/L or higher - you should take a second short-term test immediately.

V. RADON IN WATER TEST RESULTS

Analytical results of a water sample collected from the school indicate that the radon concentration is 100 pCi/L. The CT DPH advisory level for radon in water is 5,000 pCi/L. The water sample collected from the school did not exceed the CT DPH radon advisory level.

VI. CONCLUSIONS AND RECOMMENDATIONS

Based on the results obtained from the radon monitoring at Eli Whitney Technical School located at 71 Jones Road, Hamden, Connecticut, EnviroMed Services Inc. makes the following conclusions and recommendations:

- No radon concentration in air at or above 4.0 pCi/L was detected in the school building.
- The water sample collected from the school did not exceed the CT DPH radon advisory level of 5,000 pCi/L.

- Therefore, no corrective actions need to be taken at this time. However, following Public Act No. 03-220 *An Act Concerning Indoor Air Quality in Schools,* Sec.2. Section 10-220 (d), every school building shall be evaluated for radon levels in the water and the air every five years after initial testing. Radon testing would be required in 2012.

- A copy of the complete report shall be kept in the main office of the school for parents and staff to view.

- EnviroMed has completed and submitted the required *School Radon Testing Report Form* to the Connecticut Department of Public Health. A copy of this form is provided in Appendix C.

Appendix A

Laboratory Results

EMSL Analytical, Inc.
107 Haddon Ave , Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:26 AM
EMSL Order: 380800563

EMSL Proj:
Analysis Date: 12/21/2007 3:39:00 PM
Report Date: 2/5/2008

Radon Test Results

Samples for EMSL Kit 6250

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8592	MAIN OFFICE RECEPTION	0.5	12/10/2007	12/12/2007	76	30	Customer
380800563-0001			8:10:00 AM	9:50:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory. In excess of the amount paid to EMSL by client thereunder.

National Lab Cert. NRSB ARL6006. NJ MES12264; PA 2573; IN 00455; Iowa L00032; RI RAS-024; ME 20200C; NE RMB-1083; NY 10872; NM 885-10L; FL RB2034; OH RL-39; WV RL000081

THIS IS THE LAST PAGE OF THE REPORT.

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:28 AM
EMSL Order: 380800564

EMSL Proj:
Analysis Date: 12/21/2007 3:55:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6246

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8618	PRINCIPAL OFFICE	0.6	12/10/2007	12/12/2007	76	30	Customer
380800564-0001			8:15:00 AM	10:23:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

National Lab Cert. NRSB ARL6006. NJ MES12264; PA 2573; IN 00455; Iowa L00032; RI RAS-024; ME 20200C; NE RMB-1083; NY 10872; NM 885-10L; FL RB2034; OH RL-39; WV RL000081

THIS IS THE LAST PAGE OF THE REPORT.

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:30 AM
EMSL Order: 380800565

EMSL Proj:
Analysis Date: 12/21/2007 4:11:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6257

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8717	MAIN OFFICE COPY RM	0.4	12/10/2007	12/12/2007	76	30	Customer
380800565-0001			8:35:00 AM	9:53:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

National Lab Cert. NRSB ARL6006. NJ MES12264; PA 2573; IN 00455; Iowa L00032; RI RAS-024; ME 20200C; NE RMB-1083; NY 10872; NM 885-10L; FL RB2034; OH RL-39; WV RL000081

THIS IS THE LAST PAGE OF THE REPORT.

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:31 AM
EMSL Order: 380800566

EMSL Proj:
Analysis Date: 12/21/2007 4:26:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 7235

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8746	SCJ OFFICE	0.4	12/10/2007	12/12/2007	74	30	Customer
380800566-0001			8:39:00 AM	9:55:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 8:32 AM
EMSL Order:	380800568
EMSL Proj:	
Analysis Date:	12/21/2007 4:42:00 PM
Report Date:	2/6/2008

Radon Test Results

Samples for EMSL Kit 6188

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8070	GUIDANCE OFFICE	0.7	12/10/2007	12/12/2007	74	30	Customer
380800568-0001			8:42:00 AM	9:57:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:35 AM
EMSL Order: 380800569

EMSL Proj:
Analysis Date: 12/21/2007 4:58:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6252

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8710	GUIDANCE OFFICE 1	0.4	12/10/2007	12/12/2007	74	30	Customer
380800569-0001			8:45:00 AM	9:59:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:35 AM
EMSL Order: 380800570

EMSL Proj:
Analysis Date: 12/21/2007 5:13:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6195

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7432	GUIDANCE OFFICE 2	0.4	12/10/2007	12/12/2007	72	50	Customer
380800570-0001			8:48:00 AM	10:25:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Garrett Ray (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:36 AM
EMSL Order: 380800571

EMSL Proj:
Analysis Date: 12/21/2007 5:29:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 7213

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8940	GUIDANCE OFFICE 3	0.4	12/10/2007	12/12/2007	76	30	Customer
380800571-0001			8:50:00 AM	10:01:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 8:37 AM
EMSL Order:	380800572
EMSL Proj:	
Analysis Date:	12/21/2007 5:45:00 PM
Report Date:	2/6/2008

Radon Test Results

Samples for EMSL Kit 7318

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9433	GUIDANCE OFFICE 4	0.4	12/10/2007	12/12/2007	76	30	Customer
380800572-0001			8:52:00 AM	10:03:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:38 AM
EMSL Order: 380800573

EMSL Proj:
Analysis Date: 12/21/2007 6:00:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6210

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8041	GUIDANCE OFFICE 5	0.6	12/10/2007	12/12/2007	68	50	Customer
380800573-0001			8:54:00 AM	10:02:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:39 AM
EMSL Order: 380800574

EMSL Proj:
Analysis Date: 12/21/2007 6:16:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6205

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7492	GUIDANCE OFFICE 5	0.3	12/10/2007	12/12/2007	68	50	Customer
380800574-0001			8:56:00 AM	10:02:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:40 AM
EMSL Order: 380800575

EMSL Proj:
Analysis Date: 12/21/2007 6:32:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6244

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8658	HAIR DRESSING CLASSROOM 1	0.4	12/10/2007 9:00:00 AM	12/12/2007 10:04:00 AM	74	30	Customer
380800575-0001							

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:41 AM
EMSL Order: 380800576

EMSL Proj:
Analysis Date: 12/21/2007 6:47:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6080

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7989	ASSISTANT PRINC OFFICE 1	0.1	12/10/2007	12/12/2007	74	40	Customer
380800576-0001			9:02:00 AM	10:08:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray. Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:42 AM
EMSL Order: 380800577

EMSL Proj:
Analysis Date: 12/21/2007 7:03:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6179

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8516	AP OFFICE 2	0.5	12/10/2007	12/12/2007	72	40	Customer
380800577-0001			9:04:00 AM	10:10:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon In Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon In Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory. in excess of the amount paid to EMSL by client thereunder.

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:43 AM
EMSL Order: 380800578

EMSL Proj:
Analysis Date: 12/21/2007 7:19:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6263

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8642	AP OFFICE 3	0.4	12/10/2007	12/12/2007	74	40	Customer
380800578-0001			9:07:00 AM	10:12:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:44 AM
EMSL Order: 380800580

EMSL Proj:
Analysis Date: 12/21/2007 7:35:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6196

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8257	AP OFFICE RECEPTION	0.4	12/10/2007	12/12/2007	78	40	Customer
380800580-0001			9:11:00 AM	10:15:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:45 AM
EMSL Order: 380800581

EMSL Proj:
Analysis Date: 12/21/2007 7:51:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6206

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7570	HAIR DRESSING CLASSROOM 2	0.4	12/10/2007 9:14:00 AM	12/12/2007 10:17:00 AM	78	50	Customer
380800581-0001							

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:46 AM
EMSL Order: 380800582

EMSL Proj:
Analysis Date: 12/21/2007 8:06:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 7233

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8731	LOCKER RM	0.3	12/10/2007	12/12/2007	86	30	Customer
380800582-0001			9:18:00 AM	10:18:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 8:47 AM
EMSL Order:	380800584
EMSL Proj:	
Analysis Date:	12/21/2007 8:22:00 PM
Report Date:	2/6/2008

Radon Test Results

Samples for EMSL Kit 6079

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7426	HAIR DRESSING TEACHER OFFICE	0.7	12/10/2007	12/12/2007	78	40	Customer
380800584-0001			9:20:00 AM	10:19:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:47 AM
EMSL Order: 380800585

EMSL Proj:
Analysis Date: 12/21/2007 8:38:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6191

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7985	SOCIAL STUDY CLASSROOM	0.6	12/10/2007	12/12/2007	80	50	Customer
380800585-0001			9:24:00 AM	10:20:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:49 AM
EMSL Order: 380800586

EMSL Proj:
Analysis Date: 12/21/2007 8:53:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6207

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8087	SOCIAL STUDY CLASS	0.3	12/10/2007	12/12/2007	80	50	Customer
380800586-0001			9:26:00 AM	10:21:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:50 AM
EMSL Order: 380800588

EMSL Proj:
Analysis Date: 12/21/2007 9:09:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6543

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7730	HEALTH OFFICE	0.4	12/10/2007	12/12/2007	74	40	Customer
380800588-0001			9:30:00 AM	10:24:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:51 AM
EMSL Order: 380800589

EMSL Proj:
Analysis Date: 12/21/2007 9:25:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6224

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8705	EXAM WAITING RM 1	0.7	12/10/2007	12/12/2007	76	50	Customer
380800589-0001			9:34:00 AM	10:30:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

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NJ MES12264, FL R2001, NE 116, PA 2572

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RadonMultiKit

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:52 AM
EMSL Order: 380800590

EMSL Proj:
Analysis Date: 12/21/2007 9:41:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6532

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7541	EXAM WAITING RM 2	0.3	12/10/2007	12/12/2007	74	40	Customer
380800590-0001			9:36:00 AM	10:32:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon In Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

National Lab Cert. NRSB ARL6006. NJ MES12264; PA 2573; IN 00455; Iowa L00032; RI RAS-024; ME 20200C; NE RMB-1083; NY 10872; NM 885-10L; FL RB2034; OH RL-39; WV RL000081

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Radon In Air Test Report

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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 8:53 AM
EMSL Order:	380800591
EMSL Proj:	
Analysis Date:	12/21/2007 9:57:00 PM
Report Date:	2/6/2008

Radon Test Results

Samples for EMSL Kit 6537

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7874	EXAM WAITING RM 3	0.3	12/10/2007	12/12/2007	74	40	Customer
380800591-0001			9:38:00 AM	10:26:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4 0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

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Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:53 AM
EMSL Order: 380800593

EMSL Proj:
Analysis Date: 12/21/2007 10:12:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6479

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7406	BUSINESS MGR OFFICE RECEPTION	0.1	12/10/2007	12/12/2007	74	30	Customer
380800593-0001			9:40:00 AM	10:35:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

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Kevin Pang (1)

Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:54 AM
EMSL Order: 380800594

EMSL Proj:
Analysis Date: 12/21/2007 10:28:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 5068

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7488	BUSINESS MANAGER OFFICE	0.3	12/10/2007	12/12/2007	76	30	Customer
380800594-0001			9:43:00 AM	10:40:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
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Garrett A. Ray

Garrett Ray, Laboratory Manager
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:55 AM
EMSL Order: 380800596

EMSL Proj:
Analysis Date: 12/21/2007 10:44:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6478

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7563	CLASSROOM 109	0.4	12/10/2007	12/12/2007	74	40	Customer
380800596-0001			9:46:00 AM	10:48:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:56 AM
EMSL Order: 380800597

EMSL Proj:
Analysis Date: 12/21/2007 11:00:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6477

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7584	CLASSROOM 111	0.1	12/10/2007	12/12/2007	74	30	Customer
380800597-0001			9:50:00 AM	11:28:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

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Kevin Pang (1)

Garrett A. Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ-MES12264, FL-R2001, NE-116, PA-2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 8:58 AM
EMSL Order: 380800598

EMSL Proj:
Analysis Date: 12/21/2007 11:16:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6480

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7466	ADULT ED OFFICE A	0.7	12/10/2007	12/12/2007	72	30	Customer
380800598-0001			9:53:00 AM	10:55:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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NJ-MES12264, FL-R2001, NE-116, PA-2572

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Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:00 AM
EMSL Order: 380800600

EMSL Proj:
Analysis Date: 12/21/2007 11:31:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6467

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7645	ADULT ED OFFICE B	0.4	12/10/2007	12/12/2007	70	40	Customer
380800600-0001			9:55:00 AM	10:56:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

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Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:01 AM
EMSL Order: 380800601

EMSL Proj:
Analysis Date: 12/21/2007 11:47:00 PM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6466

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7613	FASHION CLASSROOM 121	0.4	12/10/2007	12/12/2007	76	30	Customer
380800601-0001			9:58:00 AM	10:45:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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NJ MES12264, FL R2001, NE 116, PA 2572

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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:02 AM
EMSL Order: 380800602

EMSL Proj:
Analysis Date: 12/22/2007 12:03:00 AM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6180

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7579	FASHION CLASSROOM 122	0.8	12/10/2007 10:01:00 AM	12/12/2007 10:47:00 AM	74	40	Customer
380800602-0001							

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

National Lab Cert. NRSB ARL6006. NJ MES12264; PA 2573; IN 00455; Iowa L00032; RI RAS-024; ME 20200C; NE RMB-1083; NY 10872; NM 885-10L; FL RB2034; OH RL-39; WV RL000081

RadonMultiKit

Please visit www.radontestinglab.com

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:03 AM
EMSL Order: 380800604

EMSL Proj:
Analysis Date: 12/22/2007 12:19:00 AM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6092

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8151	LANGUAGE ART CLASS 113	0.4	12/10/2007	12/12/2007	76	40	Customer
380800604-0001			10:04:00 AM	10:50:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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EMSL Analytical, Inc.
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 9:11 AM
EMSL Order:	380800607
EMSL Proj:	
Analysis Date:	12/22/2007 12:34:00 AM
Report Date:	2/6/2008

Radon Test Results

Samples for EMSL Kit 6215

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8589	ENGLISH CLASS D-9	0.6	12/10/2007	12/12/2007	76	40	Customer
380800607-0001			10:08:00 AM	10:58:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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EMSL Analytical, Inc.
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:12 AM
EMSL Order: 380800608

EMSL Proj:
Analysis Date: 12/22/2007 12:50:00 AM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6237

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8588	DENTAL LAB CLASS D-15	0.8	12/10/2007	12/12/2007	76	40	Customer
380800608-0001			10:11:00 AM	11:01:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:13 AM
EMSL Order: 380800610

EMSL Proj:
Analysis Date: 12/22/2007 1:06:00 AM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6216

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8582	DENTAL LAB OFFICE	0.4	12/10/2007	12/12/2007	70	50	Customer
380800610-0001			10:13:00 AM	11:03:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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RadonMultiKit

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 9:14 AM
EMSL Order:	380800611
EMSL Proj:	
Analysis Date:	12/22/2007 1:22:00 AM
Report Date:	2/6/2008

Radon Test Results

Samples for EMSL Kit 6102

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8471	ENGLISH CLASS D-8	0.8	12/10/2007	12/12/2007	74	40	Customer
380800611-0001			10:16:00 AM	12:30:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Garrett Ray (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:15 AM
EMSL Order: 380800613

EMSL Proj:
Analysis Date: 12/22/2007 1:38:00 AM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6076

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8275	ADULT DENTAL LAB RM 15A	1	12/10/2007	12/12/2007	74	40	Customer
380800613-0001			10:20:00 AM	11:05:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon In Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:16 AM
EMSL Order: 380800614

EMSL Proj:
Analysis Date: 12/22/2007 1:53:00 AM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6101

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7907	DEMOSTRATION RM D-7	0.7	12/10/2007	12/12/2007	78	40	Customer
380800614-0001			10:24:00 AM	11:07:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 9:17 AM
EMSL Order:	380800616
EMSL Proj:	
Analysis Date:	12/22/2007 2:09:00 AM
Report Date:	2/6/2008

Radon Test Results

Samples for EMSL Kit 6239

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8709	DEMOSTRATION RM D-7	0.4	12/10/2007	12/12/2007	78	40	Customer
380800616-0001			10:27:00 AM	11:08:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:18 AM
EMSL Order: 380800617

EMSL Proj:
Analysis Date: 12/22/2007 2:25:00 AM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6221

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8617	LPN OFFICE D5	0.7	12/10/2007	12/12/2007	74	50	Customer
380800617-0001			10:29:00 AM	11:10:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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RadonMultiKit

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:19 AM
EMSL Order: 380800619

EMSL Proj:
Analysis Date: 12/22/2007 2:41:00 AM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6225

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8662	LPN THEORY CLASS D-4	1	12/10/2007	12/12/2007	74	50	Customer
380800619-0001			10:31:00 AM	11:13:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:20 AM
EMSL Order: 380800620

EMSL Proj:
Analysis Date: 12/22/2007 2:57:00 AM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6213

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7401	LPN BREAK RM D-3	1.1	12/10/2007	12/12/2007	78	40	Customer
380800620-0001			10:34:00 AM	11:15:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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EMSL Analytical, Inc.
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:21 AM
EMSL Order: 380800622

EMSL Proj:
Analysis Date: 12/22/2007 3:12:00 AM
Report Date: 2/6/2008

Radon Test Results

Samples for EMSL Kit 6232

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8712	LPN OFFICE D-1	1.5	12/10/2007	12/12/2007	72	50	Customer
380800622-0001			10:37:00 AM	12:32:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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RadonMultiKit

Please visit www.radontestinglab.com

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:24 AM
EMSL Order: 380800625

EMSL Proj:
Analysis Date: 12/22/2007 3:28:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6181

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7185	DENTAL CLASS D-17	0.7	12/10/2007	12/12/2007	74	40	Customer
380800625-0001			10:45:00 AM	11:30:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon In Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:25 AM
EMSL Order: 380800626

EMSL Proj:
Analysis Date: 12/22/2007 3:44:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6238

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8603	DENTAL OFFICE D-25	0.6	12/10/2007	12/12/2007	72	40	Customer
380800626-0001			10:48:00 AM	11:17:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:27 AM
EMSL Order: 380800630

EMSL Proj:
Analysis Date: 12/22/2007 4:00:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6190

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7214	DENTAL OFFICE D-25B	0.7	12/10/2007	12/12/2007	72	50	Customer
380800630-0001			10:53:00 AM	11:23:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

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Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:28 AM
EMSL Order: 380800631

EMSL Proj:
Analysis Date: 12/22/2007 4:16:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6214

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7402	DENTAL OFFICE D-25C	0.4	12/10/2007	12/12/2007	72	50	Customer
380800631-0001			10:57:00 AM	11:26:00 AM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
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Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:29 AM
EMSL Order: 380800632

EMSL Proj:
Analysis Date: 12/22/2007 4:32:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6219

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8648	HEALTH TECH D-1B	0.9	12/10/2007	12/12/2007	72	50	Customer
380800632-0001			11:01:00 AM	12:46:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

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Garrett A. Ray

Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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RadonMultiKit

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:30 AM
EMSL Order: 380800633

EMSL Proj:
Analysis Date: 12/22/2007 4:47:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6230

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8628	BILINGUAL CLASS D-2	0.9	12/10/2007	12/12/2007	78	40	Customer
380800633-0001			11:04:00 AM	12:35:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

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Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:31 AM
EMSL Order: 380800634

EMSL Proj:
Analysis Date: 12/22/2007 5:03:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6229

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8701	CLASS D-1	0.6	12/10/2007	12/12/2007	76	40	Customer
380800634-0001			11:07:00 AM	12:37:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon In Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 9:32 AM
EMSL Order: 380800635

EMSL Proj:
Analysis Date: 12/22/2007 5:19:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6241

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8702	OFFICE IN CLASS D1A	1.7	12/10/2007	12/12/2007	76	40	Customer
380800635-0001			11:10:00 AM	12:39:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 1:52 PM
EMSL Order:	380800645
EMSL Proj:	
Analysis Date:	12/22/2007 5:35:00 AM
Report Date:	2/12/2008

Radon Test Results

Samples for EMSL Kit 6203

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7383	CLASS D1A	1.3	12/10/2007	12/12/2007	76	40	Customer
380800645-0001			11:12:00 AM	12:41:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 1:52 PM
EMSL Order: 380800647

EMSL Proj:
Analysis Date: 12/22/2007 5:50:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6228

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8651	MAINTENCE HEAD OFFICE	0.3	12/10/2007	12/12/2007	74	50	Customer
380800647-0001			11:16:00 AM	1:04:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 1:54 PM
EMSL Order: 380800648

EMSL Proj:
Analysis Date: 12/22/2007 6:06:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6217

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8581	TEACHERS LOUNGE	0.3	12/10/2007	12/12/2007	74	40	Customer
380800648-0001			11:20:00 AM	1:06:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4 0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 1:55 PM
EMSL Order: 380800650

EMSL Proj:
Analysis Date: 12/22/2007 6:22:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6236

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8600	MAINTENCE RM	0.6	12/10/2007	12/12/2007	68	50	Customer
380800650-0001			11:23:00 AM	1:04:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
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RadonMultiKit

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 1:56 PM
EMSL Order: 380800651

EMSL Proj:
Analysis Date: 12/22/2007 6:38:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6231

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8707	DRAFT SHOP LOCKER RM	0.4	12/10/2007	12/12/2007	88	20	Customer
380800651-0001			11:26:00 AM	1:08:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 1:57 PM
EMSL Order: 380800653

EMSL Proj:
Analysis Date: 12/22/2007 6:53:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6220

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8727	DRAFTING SHOP	0.3	12/10/2007	12/12/2007	74	50	Customer
380800653-0001			11:30:00 AM	1:10:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

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Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:01 PM
EMSL Order: 380800655

EMSL Proj:
Analysis Date: 12/22/2007 7:09:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6240

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8565	DRAFTING SHOP	0.6	12/10/2007	12/12/2007	74	50	Customer
380800655-0001			11:32:00 AM	1:10:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:02 PM
EMSL Order: 380800656

EMSL Proj:
Analysis Date: 12/22/2007 7:25:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6182

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8388	DRAFTING SHOP CLASS 1	0.4	12/10/2007	12/12/2007	72	40	Customer
380800656-0001			11:34:00 AM	1:12:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:03 PM
EMSL Order: 380800657

EMSL Proj:
Analysis Date: 12/22/2007 7:41:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 5993

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7329	DRAFTING SHOP CLASS 2	0.7	12/10/2007	12/12/2007	72	40	Customer
380800657-0001			11:36:00 AM	1:14:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:04 PM
EMSL Order: 380800658

EMSL Proj:
Analysis Date: 12/22/2007 7:57:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6103

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7970	PLUMBING SHOP CLASS	0.3	12/10/2007	12/12/2007	74	40	Customer
380800658-0001			11:40:00 AM	1:16:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon In Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

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EMSL Analytical, Inc.
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:05 PM
EMSL Order: 380800659

EMSL Proj:
Analysis Date: 12/22/2007 8:12:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6090

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7902	PLUMBING SHOP	0.6	12/10/2007	12/12/2007	72	40	Customer
380800659-0001			11:42:00 AM	1:18:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:06 PM
EMSL Order: 380800660

EMSL Proj:
Analysis Date: 12/22/2007 8:28:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6481

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7452	PLUMBING SHOP	0.3	12/10/2007	12/12/2007	72	40	Customer
380800660-0001			11:45:00 AM	1:20:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4 0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
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Certified Radon MeasurementSpecialist NRSB 5SS0093
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:07 PM
EMSL Order: 380800661

EMSL Proj:
Analysis Date: 12/22/2007 8:44:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6091

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8099	PLUMBING SHOP OFFICE	0.6	12/10/2007	12/12/2007	76	40	Customer
380800661-0001			11:48:00 AM	1:23:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:08 PM
EMSL Order: 380800662

EMSL Proj:
Analysis Date: 12/22/2007 9:00:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6469

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7212	PLUMBING LOCKER RM	0.4	12/10/2007	12/12/2007	72	40	Customer
380800662-0001			11:53:00 AM	1:25:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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RadonMultiKit

Please visit www.radontestinglab.com

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:09 PM
EMSL Order: 380800663

EMSL Proj:
Analysis Date: 12/22/2007 9:15:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6468

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7586	WOMENS LOCKER RM	0.6	12/10/2007	12/12/2007	80	40	Customer
380800663-0001			11:57:00 AM	1:04:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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EMSL Analytical, Inc.
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:09 PM
EMSL Order: 380800664

EMSL Proj:
Analysis Date: 12/22/2007 9:31:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6471

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7618	GRAPHIC SHOP	0.6	12/10/2007	12/12/2007	78	30	Customer
380800664-0001			12:02:00 PM	1:27:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:14 PM
EMSL Order: 380800665

EMSL Proj:
Analysis Date: 12/22/2007 9:47:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 5994

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8273	GRAPHIC SHOP	0.4	12/10/2007	12/12/2007	78	30	Customer
380800665-0001			12:05:00 PM	1:29:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:15 PM
EMSL Order: 380800666

EMSL Proj:
Analysis Date: 12/22/2007 10:02:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6470

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7210	GRAPHICS SHOP	0.4	12/10/2007	12/12/2007	78	30	Customer
380800666-0001			12:08:00 PM	1:31:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

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Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:15 PM
EMSL Order: 380800667

EMSL Proj:
Analysis Date: 12/22/2007 1:39:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6482

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7647	GRAPHIC SHOP OFFICE	0	12/10/2007	12/12/2007	78	30	Customer
380800667-0001			12:10:00 PM	1:32:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 2:16 PM
EMSL Order:	380800668
EMSL Proj:	
Analysis Date:	12/22/2007 1:55:00 PM
Report Date:	2/12/2008

Radon Test Results

Samples for EMSL Kit 6227

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8726	GRAPHIC SHOP CLASS	0	12/10/2007	12/12/2007	78	30	Customer
380800668-0001			12:14:00 PM	1:33:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:17 PM
EMSL Order: 380800669

EMSL Proj:
Analysis Date: 12/22/2007 2:11:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 5992

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8315	ELECTRICAL SHOP	0.3	12/10/2007	12/12/2007	76	40	Customer
380800669-0001			12:17:00 PM	1:36:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:18 PM
EMSL Order: 380800670

EMSL Proj:
Analysis Date: 12/22/2007 2:27:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6226

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8613	ELEC SHOP CLASSROOM	-0.3	12/10/2007 12:19:00 PM	12/12/2007 1:38:00 PM	74	50	Customer
380800670-0001							

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:20 PM
EMSL Order: 380800671

EMSL Proj:
Analysis Date: 12/22/2007 2:42:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 5991

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8034	ELEC SHOP OFFICE	-0.2	12/10/2007	12/12/2007	80	40	Customer
380800671-0001			12:23:00 PM	1:40:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:21 PM
EMSL Order: 380800672

EMSL Proj:
Analysis Date: 12/22/2007 2:58:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7348

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9569	ELEC SHOP	-0.2	12/10/2007	12/12/2007	82	40	Customer
380800672-0001			1:04:00 PM	1:43:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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RadonMultiKit

Please visit www.radontestinglab.com

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107 Haddon Ave., Westmont, NJ 08108
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:22 PM
EMSL Order: 380800674

EMSL Proj:
Analysis Date: 12/22/2007 3:30:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 1993

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
3341	ELEC SHOP LOCKER RM	0	12/10/2007 1:08:00 PM	12/12/2007 1:45:00 PM	82	50	Customer
380800674-0001							
Sample Notes:							
3307	ELEC SHOP LOCKER RM	-0.2	12/10/2007 1:08:00 PM	12/12/2007 1:45:00 PM	82	50	Duplicate
380800674-0002							
Sample Notes:							

Summary for EMSL kit 1993 **Average Radon Result: -0.1 pCi/L** **Duplicate RPD = 0%**

The results indicate that both testing devices registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years

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Report Notes

Analyst(s)
Kevin Pang (2)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:23 PM
EMSL Order: 380800675

EMSL Proj:
Analysis Date: 12/22/2007 3:45:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 2314

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
3657	MAINTENANCE OFFICE	0.3	12/10/2007	12/12/2007	78	40	Customer
380800675-0001			1:14:00 PM	1:48:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:24 PM
EMSL Order: 380800677

EMSL Proj:
Analysis Date: 12/22/2007 4:01:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7337

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9544	CARPENTRY SHOP	0.2	12/10/2007	12/12/2007	72	50	Customer
380800677-0001			1:20:00 PM	1:50:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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RadonMultiKit

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 2:25 PM
EMSL Order:	380800678
EMSL Proj:	
Analysis Date:	12/22/2007 4:17:00 PM
Report Date:	2/12/2008

Radon Test Results

Samples for EMSL Kit 3945

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
5941	CARPENTRY SHOP	0.2	12/10/2007	12/12/2007	70	50	Customer
380800678-0001			1:24:00 PM	1:52:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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EMSL Analytical, Inc.
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:26 PM
EMSL Order: 380800679

EMSL Proj:
Analysis Date: 12/22/2007 4:33:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 3889

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
5921	CARPENTRY SHOP OFFICE	0	12/10/2007	12/12/2007	70	40	Customer
380800679-0001			1:28:00 PM	1:54:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory. in excess of the amount paid to EMSL by client thereunder.

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:26 PM
EMSL Order: 380800681

EMSL Proj:
Analysis Date: 12/22/2007 5:04:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 2001

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
3364	CARPENTRY LOCKER RM	0.2	12/10/2007 1:31:00 PM	12/12/2007 1:56:00 PM	74	40	Duplicate
380800681-0001							
Sample Notes:							
3348	CARPENTRY LOCKER RM	0	12/10/2007 1:31:00 PM	12/12/2007 1:56:00 PM	74	40	Customer
380800681-0002							
Sample Notes:	Duplicate RPD >67%						

Summary for EMSL kit 2001 **Average Radon Result: 0.1 pCi/L** **Duplicate RPD = 100.0%**

The results indicate that both testing devices registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (2)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:27 PM
EMSL Order: 380800682

EMSL Proj:
Analysis Date: 12/22/2007 5:20:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 2325

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
3582	CARPENTRY CLASSROOM	0.3	12/10/2007	12/12/2007	70	40	Customer
380800682-0001			1:34:00 PM	1:58:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:28 PM
EMSL Order: 380800683

EMSL Proj:
Analysis Date: 12/22/2007 5:36:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 4805

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
6125	MACHINE SHOP CLASS	0 2	12/10/2007	12/12/2007	70	50	Customer
380800683-0001			1:37:00 PM	2:00:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:29 PM
EMSL Order: 380800685

EMSL Proj:
Analysis Date: 12/22/2007 5:51:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 4843

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
6705	MACHINE SHOP	0.2	12/10/2007	12/12/2007	82	50	Customer
380800685-0001			1:42:00 PM	2:04:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpeclalist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:30 PM
EMSL Order: 380800686

EMSL Proj:
Analysis Date: 12/22/2007 6:07:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 3902

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
5830	MACHINE SHOP	0.2	12/10/2007	12/12/2007	76	50	Customer
380800686-0001			1:46:00 PM	2:08:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

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Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE.116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:31 PM
EMSL Order: 380800687

EMSL Proj:
Analysis Date: 12/22/2007 6:23:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7326

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9542	MACHINE SHOP	0	12/10/2007	12/12/2007	74	30	Customer
380800687-0001			1:50:00 PM	2:10:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpeclalist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:31 PM
EMSL Order: 380800689

EMSL Proj:
Analysis Date: 12/22/2007 6:38:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 3867

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
5877	MACHINE SHOP COMPUTER RM	0	12/10/2007	12/12/2007	76	50	Customer
380800689-0001			1:53:00 PM	2:12:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:32 PM
EMSL Order: 380800690

EMSL Proj:
Analysis Date: 12/22/2007 6:54:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 2389

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
4323	MACHINE SHOP	0.2	12/10/2007	12/12/2007	82	50	Customer
380800690-0001			1:55:00 PM	2:15:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon In Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpeclalist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:33 PM
EMSL Order: 380800692

EMSL Proj:
Analysis Date: 12/22/2007 7:10:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7349

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9375	MACHINE SHOP	0.2	12/10/2007	12/12/2007	78	40	Customer
380800692-0001			1:58:00 PM	2:18:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon In Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:34 PM
EMSL Order: 380800693

EMSL Proj:
Analysis Date: 12/22/2007 7:26:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 2331

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
3601	MACHINE SHOP OFFICE	0.5	12/10/2007	12/12/2007	76	50	Customer
380800693-0001			2:01:00 PM	2:20:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 2:35 PM
EMSL Order: 380800695

EMSL Proj:
Analysis Date: 12/22/2007 7:41:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7323

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9427	WELDING SHOP	0.5	12/10/2007	12/12/2007	70	40	Customer
380800695-0001			2:04:00 PM	2:28:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 3:20 PM
EMSL Order:	380800708
EMSL Proj:	
Analysis Date:	12/22/2007 7:57:00 PM
Report Date:	2/12/2008

Radon Test Results

Samples for EMSL Kit 3851

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
5994	HEALTH CLASS C-1	0.5	12/10/2007	12/12/2007	74	50	Customer
380800708-0001			2:10:00 PM	3:15:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:22 PM
EMSL Order: 380800710

EMSL Proj:
Analysis Date: 12/22/2007 8:13:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7222

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8760	HEALTH CLASS C-2	0.3	12/10/2007	12/12/2007	74	40	Customer
380800710-0001			2:14:00 PM	3:17:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:23 PM
EMSL Order: 380800712

EMSL Proj:
Analysis Date: 12/22/2007 8:29:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6258

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8609	AUTO BODY SHOP OFFICE	0.6	12/10/2007	12/12/2007	70	40	Customer
380800712-0001			2:17:00 PM	3:19:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Garrett Ray (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:24 PM
EMSL Order: 380800713

EMSL Proj:
Analysis Date: 12/22/2007 8:45:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7319

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9549	AUTO SHOP BODY	0.3	12/10/2007	12/12/2007	74	30	Customer
380800713-0001			2:20:00 PM	3:21:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4 0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:25 PM
EMSL Order: 380800715

EMSL Proj:
Analysis Date: 12/22/2007 9:00:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7203

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8822	AUTO BODY SHOP	0.3	12/10/2007	12/12/2007	74	30	Customer
380800715-0001			2:21:00 PM	3:24:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE-116, PA 2572

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EMSL Analytical, Inc.
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:25 PM
EMSL Order: 380800716

EMSL Proj:
Analysis Date: 12/22/2007 9:16:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7302

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8735	AUTO BODY SHOP	0.3	12/10/2007	12/12/2007	72	40	Customer
380800716-0001			2:22:00 PM	3:26:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:26 PM
EMSL Order: 380800718

EMSL Proj:
Analysis Date: 12/22/2007 9:32:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7246

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8746	AUTO BODY THEORY RM	-0.2	12/10/2007	12/12/2007	72	40	Customer
380800718-0001			2:24:00 PM	3:28:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:27 PM
EMSL Order: 380800719

EMSL Proj:
Analysis Date: 12/22/2007 9:47:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7324

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9536	AUTO SHOP OFFICE 1	0.3	12/10/2007	12/12/2007	72	40	Customer
380800719-0001			2:27:00 PM	3:29:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
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NJ MES12264, FL R2001, NE 116, PA 2572

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:28 PM
EMSL Order: 380800721

EMSL Proj:
Analysis Date: 12/22/2007 10:03:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7320

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9535	AUTO SHOP CLASSROOM	0.5	12/10/2007	12/12/2007	72	30	Customer
380800721-0001			2:31:00 PM	3:45:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:29 PM
EMSL Order: 380800722

EMSL Proj:
Analysis Date: 12/22/2007 10:19:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7202

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8759	AUTO SHOP LAB	0.2	12/10/2007	12/12/2007	74	30	Customer
380800722-0001			2:33:00 PM	3:35:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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RadonMultiKit

Please visit www.radontestinglab.com

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:30 PM
EMSL Order: 380800724

EMSL Proj:
Analysis Date: 12/22/2007 10:35:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7214

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8960	AUTO SHOP OFFICE 2	0	12/10/2007	12/12/2007	72	30	Customer
380800724-0001			2:35:00 PM	3:38:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE-116, PA 2572

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RadonMultiKit

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:31 PM
EMSL Order: 380800725

EMSL Proj:
Analysis Date: 12/22/2007 10:51:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 5471

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8030	AUTO SHOP THEORY RM	-0 2	12/10/2007	12/12/2007	74	40	Customer
380800725-0001			2:38:00 PM	3:41:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

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Garrett Ray, Laboratory Manager
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:32 PM
EMSL Order: 380800727

EMSL Proj:
Analysis Date: 12/22/2007 11:06:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7322

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9396	AUTO SHOP	0 5	12/10/2007	12/12/2007	74	40	Customer
380800727-0001			2:41:00 PM	3:43:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:33 PM
EMSL Order: 380800728

EMSL Proj:
Analysis Date: 12/22/2007 11:22:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 5740

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8451	ATHLETIC DIRECTORS OFFICE	0	12/10/2007	12/12/2007	68	40	Customer
380800728-0001			2:43:00 PM	3:45:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:34 PM
EMSL Order: 380800730

EMSL Proj:
Analysis Date: 12/22/2007 11:38:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7325

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9372	GYM GIRLS LOCKER RM	0 6	12/10/2007	12/12/2007	72	40	Customer
380800730-0001			2:45:00 PM	3:48:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

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Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:35 PM
EMSL Order: 380800731

EMSL Proj:
Analysis Date: 12/22/2007 11:54:00 PM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7317

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9550	GIRLS LOCKER OFFICE	0 3	12/10/2007	12/12/2007	68	40	Customer
380800731-0001			2:47:00 PM	3:50:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:35 PM
EMSL Order: 380800732

EMSL Proj:
Analysis Date: 12/23/2007 12:09:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7321

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9392	VISITING GIRLS LOCKER RM	0.2	12/10/2007	12/12/2007	68	50	Customer
380800732-0001			2:49:00 PM	3:52:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 3:37 PM
EMSL Order:	380800734
EMSL Proj:	
Analysis Date:	12/23/2007 12:25:00 AM
Report Date:	2/12/2008

Radon Test Results

Samples for EMSL Kit 6199

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7555	VISITING GIRLS LOCKER RM	0.7	12/10/2007	12/12/2007	68	50	Customer
380800734-0001			2:51:00 PM	3:53:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:38 PM
EMSL Order: 380800736

EMSL Proj:
Analysis Date: 12/23/2007 12:41:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7212

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8769	GYM	0.6	12/10/2007	12/12/2007	74	40	Customer
380800736-0001			2:53:00 PM	4:00:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:38 PM
EMSL Order: 380800737

EMSL Proj:
Analysis Date: 12/23/2007 12:57:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7223

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8742	GYM	0.7	12/10/2007	12/12/2007	74	40	Customer
380800737-0001			2:56:00 PM	4:02:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 3:39 PM
EMSL Order:	380800739
EMSL Proj:	
Analysis Date:	12/23/2007 1:12:00 AM
Report Date:	2/12/2008

Radon Test Results

Samples for EMSL Kit 7245

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8929	GYM	0.3	12/10/2007	12/12/2007	76	40	Customer
380800739-0001			2:59:00 PM	4:05:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:40 PM
EMSL Order: 380800740

EMSL Proj:
Analysis Date: 12/23/2007 1:28:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6242

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8688	GYM	0.3	12/10/2007	12/12/2007	76	40	Customer
380800740-0001			3:02:00 PM	4:07:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:43 PM
EMSL Order: 380800743

EMSL Proj:
Analysis Date: 12/23/2007 1:44:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6251

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8670	BOYS LOCKER RM OFFICE	0.8	12/10/2007	12/12/2007	70	40	Customer
380800743-0001			3:05:00 PM	4:10:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Garrett Ray (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:47 PM
EMSL Order: 380800745

EMSL Proj:
Analysis Date: 12/23/2007 2:00:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6185

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7225	BOYS LOCKER RM	0.7	12/10/2007	12/12/2007	74	40	Customer
380800745-0001			3:08:00 PM	4:15:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

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Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:48 PM
EMSL Order: 380800747

EMSL Proj:
Analysis Date: 12/23/2007 2:16:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6256

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8650	STUDENT ACHIEVEMENT RM C-4	0	12/10/2007	12/12/2007	68	40	Customer
380800747-0001			3:12:00 PM	4:13:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:49 PM
EMSL Order: 380800749

EMSL Proj:
Analysis Date: 12/23/2007 2:32:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6209

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7748	TEACHERS DINING RM	0.5	12/10/2007	12/12/2007	78	40	Customer
380800749-0001			3:25:00 PM	4:19:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

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NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: **ELI WHITNEY (RVTS)**
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID:	ENVM50
Customer PO:	
Received:	01/04/08 3:53 PM
EMSL Order:	380800754
EMSL Proj:	
Analysis Date:	12/23/2007 2:47:00 AM
Report Date:	2/12/2008

Radon Test Results

Samples for EMSL Kit 6184

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7500	CULINARY C-10 (THEORY RM)	0.3	12/10/2007	12/12/2007	72	30	Customer
380800754-0001			3:30:00 PM	4:22:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4 0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
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Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:55 PM
EMSL Order: 380800757

EMSL Proj:
Analysis Date: 12/23/2007 3:03:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6243

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8634	KITCHEN OFFICE 1	0.3	12/10/2007	12/12/2007	74	30	Customer
380800757-0001			3:33:00 PM	4:23:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party, whether based upon theories of tort, contract or any other legal or equitable theory, in excess of the amount paid to EMSL by client thereunder.

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:56 PM
EMSL Order: 380800758

EMSL Proj:
Analysis Date: 12/23/2007 3:19:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 7327

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
9532	KITCHEN OFFICE 2	0.3	12/10/2007	12/12/2007	76	30	Customer
380800758-0001			3:36:00 PM	4:25:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:58 PM
EMSL Order: 380800761

EMSL Proj:
Analysis Date: 12/23/2007 3:35:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 5245

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8675	CAFETERIA	0 2	12/10/2007	12/12/2007	72	40	Customer
380800761-0001			3:38:00 PM	4:28:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 3:59 PM
EMSL Order: 380800764

EMSL Proj:
Analysis Date: 12/23/2007 3:50:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6186

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7407	CAFE	0.5	12/10/2007	12/12/2007	72	40	Customer
380800764-0001			3:41:00 PM	4:30:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Project: **ELI WHITNEY (RVTS)**
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Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:00 PM
EMSL Order: 380800765

EMSL Proj:
Analysis Date: 12/23/2007 4:06:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6202

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7575	CAFE	0	12/10/2007	12/12/2007	72	40	Customer
380800765-0001			3:43:00 PM	4:33:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:00 PM
EMSL Order: 380800767

EMSL Proj:
Analysis Date: 12/23/2007 4:22:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6187

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8178	CAFE	0.3	12/10/2007	12/12/2007	74	50	Customer
380800767-0001			3:46:00 PM	4:35:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
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Radon In Air Test Report

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Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:01 PM
EMSL Order: 380800769

EMSL Proj:
Analysis Date: 12/23/2007 4:38:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6262

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8619	GYM	0.3	12/10/2007	12/12/2007	76	40	Customer
380800769-0001			3:50:00 PM	4:09:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:02 PM
EMSL Order: 380800771

EMSL Proj:
Analysis Date: 12/23/2007 4:53:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6193

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
B047	CONF RM	0.5	12/10/2007	12/12/2007	76	50	Customer
380800771-0001			4:00:00 PM	4:40:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:04 PM
EMSL Order: 380800775

EMSL Proj:
Analysis Date: 12/23/2007 5:09:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6204

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7582	CONF RM	0.7	12/10/2007	12/12/2007	76	50	Customer
380800775-0001			4:02:00 PM	4:42:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
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Radon In Air Test Report

Attn: **Debbie Fitzgerald**
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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:05 PM
EMSL Order: 380800776
EMSL Proj:
Analysis Date: 12/23/2007 5:25:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6198

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7363	RM 1A	3.5	12/10/2007	12/12/2007	68	50	Customer
380800776-0001			4:08:00 PM	4:55:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
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NJ MES12264, FL R2001, NE 116, PA 2572

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Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:06 PM
EMSL Order: 380800779

EMSL Proj:
Analysis Date: 12/23/2007 5:41:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6197

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7546	WHITNEY ROOM B1	-0 2	12/10/2007	12/12/2007	72	30	Customer
380800779-0001			4:15:00 PM	5:00:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L) The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

In no event shall EMSL be liable for indirect, special, consequential, or incidental damages, including, but not limited to, damages for loss of profit or goodwill regardless of the negligence (either sole or concurrent) of EMSL and whether EMSL has been informed of the possibility of such damages, arising out of or in connection with EMSL's services thereunder or the delivery, use, reliance upon or interpretation of test results by client or any third party. We accept no legal responsibility for the purposes for which the client uses the test results. In no event shall EMSL be liable to a client or any third party whether based upon theories of tort, contract or any other legal or equitable theory. In excess of the amount paid to EMSL by client thereunder.

National Lab Cert. NRSB ARL6006. NELAC NJ 04006; PA 2573; IN 00455; Iowa L00032; RI RAS-024; ME 20200C; NE RMB-1083; NY 10872; NM 885-10L; FL RB2034; OH RL-39; WV RL000081

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:07 PM
EMSL Order: 380800781

EMSL Proj:
Analysis Date: 12/23/2007 5:57:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6194

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7309	RM B2	0	12/10/2007	12/12/2007	72	30	Customer
380800781-0001			4:17:00 PM	5:04:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray
Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:08 PM
EMSL Order: 380800783

EMSL Proj:
Analysis Date: 12/23/2007 6:13:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6208

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
7192	RM B3	0.2	12/10/2007	12/12/2007	72	30	Customer
380800783-0001			4:20:00 PM	5:08:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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RadonMultiKit

Please visit www.radontestinglab.com

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:09 PM
EMSL Order: 380800785

EMSL Proj:
Analysis Date: 12/23/2007 6:28:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6218

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8704	RM B4	-0.2	12/10/2007	12/12/2007	70	30	Customer
380800785-0001			4:24:00 PM	5:12:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA *recommends retesting your home every two years.*

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:13 PM
EMSL Order: 380800789

EMSL Proj:
Analysis Date: 12/23/2007 6:44:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 6183

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
8097	RM B5	-0 2	12/10/2007	12/12/2007	70	30	Customer
380800789-0001			4:28:00 PM	5:16:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of Radon in Air.

Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:14 PM
EMSL Order: 380800791

EMSL Proj:
Analysis Date: 12/23/2007 7:00:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 1477

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
2281	RM B6	0	12/10/2007	12/12/2007	70	30	Customer
380800791-0001			4:32:00 PM	5:20:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon In Air testing.

The EPA recommends retesting your home every two years.

Please contact EMSL Analytical, Inc. or your State Health Department for further information.
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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: Email: westmontradonlab@emsl.com

Radon In Air Test Report

Attn: **Debbie Fitzgerald**
EnviroMed Services, Inc.
470 Murdock Avenue
Meriden, CT 06450

Fax: (203) 238-4243 Phone: (203) 238-4846

Project: ELI WHITNEY (RVTS)
71 JONES ROAD
HAMDEN, CONNECTICUT 06514

Customer ID: ENVM50
Customer PO:
Received: 01/04/08 4:15 PM
EMSL Order: 380800793

EMSL Proj:
Analysis Date: 12/23/2007 7:16:00 AM
Report Date: 2/12/2008

Radon Test Results

Samples for EMSL Kit 1476

Liquid Scintillation ID	Location	Radon Activity pCi/L	Start	Stop	Temperature F	Humidity %	Sample Type
2394	RM B7	-0.2	12/10/2007	12/12/2007	70	30	Customer
380800793-0001			4:35:00 PM	5:25:00 PM			

Sample Notes:

The result indicates that the test device registered at or below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends fixing your home if the average of two short-term tests taken in the lowest lived-in level of the home show radon levels that are equal to or greater than 4.0pCi/L. The radon test was performed using a liquid scintillation radon detector/s and counted on a liquid scintillation counter using approved EPA testing protocols for Radon in Air testing.

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Report Notes

Analyst(s)
Kevin Pang (1)

Garrett A. Ray

Garrett Ray, Laboratory Manager
Certified Radon MeasurementSpecialist NRSB 5SS0093
NJ MES12264, FL R2001, NE 116, PA 2572

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Appendix B

Water Results

AccuStar Labs Radon in Water

NEHA NRPP 101193 AL
NRSB ARL0017

EPA Method 913 0
Liquid Scintillation

Laboratory Report For

Enviromed Services Inc.-L. Xu
470 Murdock Avenue
Meriden CT 06450

Property Tested

Eli Whitney Tech High School
71 Jones Road
Hamden CT 06514

Log Number	Device Number	Area Tested	Result (pCi/L)
916348	1185979	Kitchen Sink	100.0

Please contact your state Radon office for more information about your Radon in water test result.

Enviromed Services Inc. was e-mailed a copy of this report.

Distributed By: Enviromed Services Inc.
Test Performed By: Ling Xu Certification Number: NRSB 7SS0014

Sample Collected: 12/10/2007 4:00 pm

Date Received: 12/13/2007
Date Analyzed: 12/13/2007
Date Reported: 12/14/2007

Radon is a naturally occurring radioactive gas that may cause cancer and may be found in drinking water and indoor air. Radon escaping from water can be the source of elevated levels of radon in air. Some people who are exposed to radon in drinking water may be at increased risk of getting cancer over the course of their lifetime, especially lung cancer. The Connecticut Department of Public Health recommends to homeowners served by a private well to consider treatment if their average annual (two or more samples in one year) radon in water is 5000 pCi/L or greater. For more information call the Connecticut Radon Program at 860-509-7367 or visit their website at www.dph.state.ct.us \BRS\Radon\radon-program.htm.

Report Reviewed By: _____ Report Approved By: Carolyn K. Allen President

Disclaimer: The uncertainty of this radon measurement is ~+/- 10 %. Factors contributing to uncertainty include, statistical variations, daily and seasonal variations in radon concentrations, sample collection techniques, and operation of the dwelling. Interference with test conditions may influence the test results.

This report may only be transferred to a third party in its entirety. Results shown on this report represent levels of radon gas measured between the dates shown in the room or area of the site identified above as "Property Tested". Incorrect information will affect results. The results may not be construed as either predictive or supportive of measurements conducted in any area of this structure at any other time. AccuStar Labs, its employees and agents are not responsible for the consequences of any action taken or not taken based upon the results reported or any verbal or written interpretation of the results.

11 Awl Street Medway MA 02053 508-533-8812 FAX 508-533-8831

Appendix C

School Radon Testing Report Form

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH
RADON PROGRAM

SCHOOL RADON TESTING REPORT FORM

Nov. 2005

The following form must be submitted to the Connecticut Department of Public Health Radon Program within five (5) working days of providing a final written report of radon measurement activities to school personnel. Submit the original, signed copy of this form to the Radon Program at the address listed below:

Attn: School Radon Testing Program
CT Department of Public Health Radon Program
410 Capitol Avenue, MS #51 RAD
Hartford, CT 06134-0308

Name of School: Eli Whitney Technical High School

Address:
(Street, town, zip code)
71 Jones Road
Hamden, Connecticut 06514

Dates of Testing: 12/10-12/07

NEHA/NRSB Tester: Ling Xu

NEHA/NRSB Certification #: 7SS0014

Please provide the following summary information:

Total # of Rooms Tested: 118

Total # of Rooms Requiring Re-Testing: 0

Total # of Rooms Where Average Results Were At or Above 4.0 pCi/L: 0

Radon measurement activities were carried out in accordance with United States Environmental Protection Agency protocols and the Connecticut Department of Public Health Radon Program's *School Radon Testing Guidance* at the location described above.

Signature of Radon Measurement Professional

Date 2/20/08

Phone: (860) 509-7367
Telephone Device for the Deaf (860) 509-7191
450 Capitol Avenue - MS # 51RAD
P.O. Box 340308 Hartford, CT 06134
An Equal Opportunity Employer

00 31 26.48

TRC Survey for

Asbestos Containing Material

(TRC-ACM)

TRC
Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Public Works

Site: Eli Whitney Technical High School
Lab Log #: 38975
Project #: 164560.2640.0001
Date Received: 12/28/10
Date Analyzed: 12/30/10

RESULTS

Sample No.	Color	Homogeneous	Multi-Layered	Layer No.	Other Matrix Mat'ls	Asbestos %	Asbestos Type
01	Grey	Yes	No	--	--	Trace	Chrysotile
02	Grey	Yes	No	--	--	Trace	Chrysotile
03	Grey	Yes	No	--	--	Trace	Chrysotile
04	Grey	Yes	No	--	--	Trace	Chrysotile
05	Grey	Yes	No	--	--	Trace	Chrysotile
06	Grey	Yes	No	--	--	Trace	Chrysotile
07	Black/Beige	Yes	No	--	--	2.3%	Chrysotile
08	Grey	Yes	No	--	--	0.22%	Chrysotile
09	Grey	Yes	No	--	--	ND	None
10	Dark Grey	Yes	No	--	--	ND	None
11	Grey	Yes	No	--	--	6.2%	Chrysotile
12	Grey	Yes	No	--	--	7.9%	Chrysotile
13	Black	Yes	No	--	--	1.8%	Chrysotile
14	Grey	Yes	No	--	--	Trace	Chrysotile
15	Grey	Yes	No	--	--	ND	None
16	White	Yes	No	--	--	Trace	Chrysotile
17	Grey	Yes	No	--	--	ND	None
18	Grey	Yes	No	--	--	ND	None
19	Grey	Yes	No	--	--	13.6%	Chrysotile
20	Grey	Yes	No	--	--	12.3%	Chrysotile
21	Grey	Yes	No	--	--	14.2%	Chrysotile

All Samples analyzed by EPA/600/R-93/116 with gravimetric reduction and 400 Point Count Method

Reporting limit- asbestos present at 0.25% for 400 Point Count Method
ND- No asbestos was detected by 400 Point Count Method
Trace concentrations of asbestos are concentrations that are less than 1% including samples that contain zero asbestos points out of 400 nonempty points, but did contain asbestos positively identified by PLM.

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, negative results must be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation (1982), and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2011. TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through October 1, 2012. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the samples is available upon written request from the client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyst: Kathleen Williamson

QC Analyst: Kathleen Williamson

Reviewed by: _____
Laboratory Analyst

Approved Signatory: _____
Kathleen Williamson
Laboratory Manager

Date Issued: 12/30/10

TRC

21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: October 2009
Supersede Previous Edition

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38975

PROJECT NUMBER	PROJECT NAME
164560.2640.0001	CT DPW - CLI WHITNEY Tech High School

SIGNATURE	INSPECTOR
Don L. Lepage	Don LePage

PARAMETERS	
PLM EPA 600/R93/116 (POSITIVE STOP)	
PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	
ANALYZE BY LAYER	
% POINT COUNT (IF >1% & <10%)	X
TEM NY NOB 198.4 (IF PLM SERIES NEG)	

TURNAROUND TIME							
PLM:		8hr	X	24hr		48hr		3day
TEM:		24hr		48hr		3day		5day

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	MATERIAL
01	12/28/10				A-wing Room 105	EXTERIOR WINDOW GLAZE (WG1)
02					A-wing Room 122	
03					A wing Room 113	
04					A wing Room 234	
05					A wing Room 225	
06					A wing Room 220	
07					C wing Room 6-2	(WG1) WINDOW GLAZE
08					C wing Auto Shop	
09					D wing Room D3	
10					D wing Room D8	
11					C wing Welding Shop Theory	(WG2) WINDOW GLAZE

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Don L. Lepage	12/28/10	[illegible] 12/28/10			
(Printed) Don LePage	Time:	(Printed) [illegible] 1630	(Printed)	Time:	(Printed)

Remarks: Positive Stop - Each type of [redacted] glaze

Condition of Samples: ok
Acceptable: Yes ✓ No ____
Comments:

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Edition: October 2009
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ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38975

PROJECT NUMBER	PROJECT NAME
164560.2640.0001	CTDPW - GLi WH. TRNY Tech. High School

TURNAROUND TIME								
PLM:		8hr		24hr		48hr		3day
TEM:		24hr		48hr		3day		5day

SIGNATURE	INSPECTOR
Donald LePage	Don LePage

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	5/95 POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
12	12/28/10				C-wing Room C-3						(WG2) window glaze
13					C-wing OLD WOOD SHOP						↓
14					B-wing MACHINE SHOP						(WG3) window glaze
15					B-wing CARPENTRY SHOP						
16					B-wing PLUMBING SHOP						↓
17					B-wing SOUTH Add.						(WG4) window glaze
18					↓						↓
19					D-wing 2ND FL TEACHER LOUNGE						(WG5) window glaze
20					D-wing ROOM 226						
21					D-wing SURGICAL ROOM						↓

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Don LePage	12/28/10	[signature]	[signature] 12/28/10		
(Printed) Don LePage	Time:	(Printed) 1640 W Williamson	(Printed)	Time:	(Printed)

Remarks: Positive STOP EACH TYPE OF GLAZE

Condition of Samples: OK
Acceptable: Yes ✓ No ____
Comments:

PLM Gravimetric Analysis

Date	Analyst	Lab Log #	Sample ID	Crucible ID	g crucible	g crucible plus sample	g after 480°	decimal Residue	% Asb in residue	% Asb total Sample
12/29/2010	KW	38975	01	7	20.2193	20.309	20.3046	0.951	0.00	0.00
			02	9	18.5936	18.6397	18.6326	0.846	0.00	0.00
			03	10	20.9837	21.1956	21.1775	0.915	0.00	0.00
			04	12	20.2498	20.457	20.4297	0.868	0.00	0.00
			05	14	19.7844	19.9331	19.9159	0.884	0.00	0.00
			06	19	20.4835	20.6022	20.5956	0.944	0.00	0.00
			07	31	20.3437	20.458	20.4295	0.751	3.00	2.25
			08	33	19.6768	19.7168	19.7112	0.860	0.25	0.22
			09	38	21.982	21.9953	21.9923	0.774	0.00	0.00
			10	39	20.7492	20.8325	20.8118	0.752	0.00	0.00
			11	55	20.5348	20.5717	20.5587	0.648	9.50	6.15
			12	61	19.1029	19.136	19.1237	0.628	12.50	7.85
			13	63	17.9123	17.9663	17.9552	0.794	2.25	1.79
			14	66	19.0174	19.0969	19.0935	0.957	0.00	0.00
			15	76	17.3549	17.4289	17.4193	0.870	0.00	0.00
			16	79	17.8841	18.0156	18.0021	0.897	0.00	0.00
			17	98	17.6139	17.6671	17.6607	0.880	0.00	0.00
			18	110	18.2557	18.3745	18.357	0.853	0.00	0.00
			19	296	20.0317	20.0875	20.0669	0.631	21.50	13.56
			20	305	18.9657	19.0163	18.9993	0.664	18.50	12.28
			21	317	18.073	18.1406	18.1152	0.624	22.75	14.20

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BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Public Works

Site: Eli Whitney Technical High School
Lab Log #: 38989
Project #: 164560.2640.0001
Date Received: 01/04/11
Date Analyzed: 01/04/11 & 01/05/11

RESULTS

Sample No.	Color	Homogeneous	Multi-Layered	Layer No.	Other Matrix Mat'ls	Asbestos %	Asbestos Type
1	Black	Yes	No	--	20% cellulose	ND<1%	None
2*	Black	Yes	No	--	--	ND<1%	None
3	Black	Yes	No	--	10% cellulose	ND<1%	None
4*	Black	Yes	No	--	--	ND<1%	None
5	Black	Yes	No	--	30% cellulose	30%	Chrysotile
6	--	--	--	--	--	NA/PS	--
7	Black	Yes	No	--	--	80%	Chrysotile
8	--	--	--	--	--	NA/PS	--
9	Black	Yes	No	--	--	10%	Chrysotile
10	--	--	--	--	--	NA/PS	--
11	Black	Yes	No	--	30% cellulose	10%	Chrysotile
12	--	--	--	--	--	NA/PS	--
13	Black	Yes	No	--	--	ND<1%	None
14*	Black	Yes	No	--	--	ND<1%	None
14A	Black/Grey	Yes	No	--	--	30%	Chrysotile
15	Grey	Yes	No	--	--	ND<1%	None
16*	Grey	Yes	No	--	--	ND<1%	None
17	Black	Yes	No	--	--	ND<1%	None
18	Black	Yes	No	--	--	ND<1%	None
19*	Black	Yes	No	--	--	ND<1%	None
20	Grey	Yes	No	--	1% cellulose 20% mineral wool	ND<1%	None

21	Grey	Yes	No	--	20% mineral wool	ND<1%	None
22	Grey	Yes	No	--	20% mineral wool	ND<1%	None
23	Grey	Yes	No	--	20% mineral wool	ND<1%	None
24	Grey	Yes	No	--	30% mineral wool	ND<1%	None
25	Grey	Yes	No	--	30% mineral wool	ND<1%	None
26	Grey	Yes	No	--	30% mineral wool	ND<1%	None
27	Grey	Yes	No	--	30% mineral wool	ND<1%	None
28	Grey	Yes	No	--	30% mineral wool	ND<1%	None
29	Grey	Yes	No	--	30% mineral wool	ND<1%	None
30	Grey	Yes	No	--	20% mineral wool	ND<1%	None
31	Grey	Yes	No	--	20% mineral wool	ND<1%	None
32	Black/Brown	Yes	No	--	20% fiberglass	ND<1%	None
33	Black/Brown	Yes	No	--	20% fiberglass	ND<1%	None
34	White	Yes	No	--	--	ND<1%	None
35	White	Yes	No	--	--	ND<1%	None

* Samples analyzed by EPA/600/R-93/116 with gravimetric reduction

NA/PS- Not Analyzed/Positive Stop

Reporting limit- asbestos present at 1%
ND<1% - asbestos was not detected
Trace- asbestos was observed at level of less than 1%

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, negative results must be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation (1982), and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2011. TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through October 1, 2012. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the samples is available upon written request from the client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyst: Kathleen Williamson

QC Analyst: Helen Rimsa

Reviewed by: _____
Laboratory Analyst

Approved _____
Kathleen Williamson
Signatory: Laboratory Manager

Date Issued: 1/5/11

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 **AIHA #100122** **CT #PH-0426** **ME LA-0075, LB-0071** **MA #AA000052** **NY #10980** **WV# LT000356**
RI #AAL-007C3 **TX #300354** **VT #AL014538** **VA #3333 000283** **AZ #A20944** **HI #L-09-004** **NJ #CT004** **CA #10275CA**

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ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38989

PROJECT NUMBER	PROJECT NAME
161560 - 2640	DPW Wilkinson

SIGNATURE	INSPECTOR
Bryce Ashton	

PARAMETERS

TURNAROUND TIME								
PLM:		8hr		24hr		48hr		3day
TEM:		24hr		48hr		3day		5day

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
1	12/[illegible]	1350			Ext Downs NE	X	X				Wallboard Gy.
2		1355			↓ ↓	X					↓
3		1400			Ext Bldg West	X	X				↓
4		1405			↓	X					↓
5		1410			Ext Bldg North Side Rm	X	X				↓
6		1415			↓	X					↓
7		1420			Ext Bldg East	X	X				↓
8		1430			↓	X					↓
9		1440			Ext C Wing West	X	X				↓
10		1445			↓	X					↓
11	↓	1500			Ext C Wing East	X	X				↓

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
[signature]	12/8/10	K Williamson 1/4/11			
(Printed) Bryce Ashton	Time:	(Printed) 1330 K Williamson	(Printed)	Time:	(Printed)

Remarks: Results to Dan Lynch

Condition of Samples: OK
Acceptable: Yes ___ No ___
Comments:

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ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38989

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME					
			PLM:	8hr	24hr	48hr	3day	
			TEM:	24hr	48hr	3day	5day	
SIGNATURE	INSPECTOR							

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
12	12/29	1505			Ext Cuing, East	✓	✗				Wall/plaster
13	↓	1510			Ext Cuing, North	✓	✗				↓
14	↓	1515			↓ ↓	✓					↓
14A	12/30	0830			A side window sill	✓	✗				Window sill caulk
15	↓	0835			Bowing Dark shop	✓	✗				Window sill caulk
16	↓	0840			↓	✓					↓
17	↓	0845			Cuing window sill	✓	✗				↓
18	↓	0850			↓	✓					↓
19	↓	0855			↓	✓	✗				↓
20	↓	0915			Boiler Rm	✓					Boiler Insulation
21	↓	0925			↓	✓					↓

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	12/30/13	1/4/14 K. Williamson			
(Printed)	Time:	(Printed) 1330 K Williamson	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples: a
Acceptable: Yes ✓ No ____
Comments:

TRC

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ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38989

PROJECT NUMBER	PROJECT NAME	PARAMETERS	TURNAROUND TIME					
			PLM:	8hr	24hr	48hr	3day	
			TEM:	24hr	48hr	3day	5day	
SIGNATURE	INSPECTOR							

FIELD SAMPLE NUMBER	DATE	TIME	TYPE: COMP	TYPE: GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
22	12/30	1000			Boiler Room	X					Boiler Room insulation
23	↓	1005			↓	X					↓
24	↓	1030			Dining Area Bathroom	X					Molded fitting
25	↓	1035			↓	X					↓
26	↓	1050			Dining Hall adj Rm D3	X					↓
27	↓	1100			↓	X					↓
28	↓	1105			↓	X					↓
29	↓	1120			↓	X					↓
30	↓	1125			Dining Rm D17	X					Molded fitting
31	↓	1130			↓	X					↓
32	12/28	1132			Rm C-1 Ceiling	X					Hard Dust [illegible]

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	12/30/10	1/4/11 K. Williamson			
(Printed)	Time:	(Printed) 1330 K. Williamson	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples: ✓
Acceptable: Yes ✓ No ____
Comments:

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Edition: October 2009
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ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38989

PROJECT NUMBER	PROJECT NAME
SIGNATURE	INSPECTOR

PARAMETERS

TURNAROUND TIME								
PLM:		8hr		24hr		48hr		3day
TEM:		24hr		48hr		3day		5day

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
33	12/28	1115			Rm C-1 Ceiling	X					HVAC Duct connector
34	↓	1120			Admin Addition 113	X					Ceiling tile grout
35	↓	1125			↓ old bathroom	X					↓

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	12/28/10	K. Williamson 1/4/11			
(Printed)	Time:	(Printed) 1330 K. Williamson	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples: OK
Acceptable: Yes ✓ No ____
Comments:

PLM Gravimetric Analysis

Date	Analyst	Lab Log #	Sample ID	Crucible ID	g crucible	g crucible plus sample	g after 480°	decimal Residue	% Asb in residue	% Asb total Sample
1/5/2011	KW	38989	2	1	19.3204	19.3747	19.3622	0.770	0.00	0.00
			4	17	17.5742	17.6036	17.5938	0.667	0.00	0.00
			14	20	20.0745	20.1017	20.0855	0.404	0.00	0.00
			16	37	17.9625	18.03	17.9924	0.443	0.00	0.00
			19	111	17.9134	17.9892	17.964	0.668	0.00	0.00

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BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Public Works

Site: Eli Whitney Technical High School
Lab Log #: 38982
Project #: 164560.2640.0001
Date Received: 12/30/10
Date Analyzed: 12/30/10 & 01/03/11

RESULTS

Sample No.	Color	Homogeneous	Multi-Layered	Layer No.	Other Matrix Mat'ls	Asbestos %	Asbestos Type
01*	Dark Grey	Yes	No	--	--	ND<1%	None
02	Grey	Yes	No	--	--	ND<1%	None
03*	Grey	Yes	No	--	--	ND<1%	None
04	Brown	Yes	No	--	--	10%	Chrysotile
05	--	--	--	--	--	NA/PS	--
06	Grey	Yes	No	--	--	ND<1%	None
07*	Grey	Yes	No	--	--	Trace	Chrysotile
08	Grey	Yes	No	--	--	10%	Chrysotile
09*	Grey	Yes	No	--	--	Trace	Chrysotile
10	Grey	Yes	No	--	--	ND<1%	None
11*	Grey	Yes	No	--	--	ND<1%	None
12	Black	Yes	No	--	--	ND<1%	None

* Samples analyzed by EPA/600/R-93/116 with gravimetric reduction

NA/PS- Not Analyzed/Positive Stop

Reporting limit- asbestos present at 1%
ND<1% - asbestos was not detected
Trace- asbestos was observed at level of less than 1%

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, negative results must be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation (1982), and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2011. TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through October 1, 2012. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the

samples is available upon written request from the client.

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Analyst: Kathleen Williamson

QC Analyst: Kathleen Williamson

Reviewed by: _____
Laboratory Analyst

Approved _____
Kathleen Williamson
Signatory: Laboratory Manager

Date Issued: 1/3/11

TRC

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Edition: October 2009
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ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 38982

PROJECT NUMBER	PROJECT NAME
164560.2640.0001	CTDPW - Eli Whitney Tech High School

SIGNATURE	INSPECTOR
Don LePage	Don LePage

PARAMETERS	
PLM EPA 600/R93/116 (POSITIVE STOP)	
PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	
ANALYZE BY LAYER	
POINT COUNT (IF >1% & <10%)	5/20
TEM NY NOB 198.4 (IF PLM SERIES NEG)	

TURNAROUND TIME								
PLM:		8hr		24hr		48hr		3day
TEM:		24hr		48hr		3day		5day

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
01	12/30/10				D-wing NW HALL	X			X		(WFC 1) EXT. DARK GREY WINDOW FRAME CAULK
02	↓				D-wing EAST SIDE	X			X		(WFC 2) EXT LIGHT GREY WINDOW FRAME CAULK
03					↓	X			X		↓
04					C wing KITCHEN	X			X		(WFC 3) BATHL. LIGHT GREY WINDOW FRAME CAULK EXT.
05					↓	X			X		↓
06					C wing SOUTH Addition	X			X		(WFC 4) WINDOW FRAME CAULK EXT.
07					C wing CAFE Addition	X			X		↓
08					C wing Locker Rooms	X			X		(WFC 5) EXT. WINDOW FRAME CAULK
09					↓	X			X		WINDOW GLAZE
10					D wing EAST SIDE	X			X		INT. WINDOW SILL CAULK
11					↓	X			X		↓
12	↓				A wing WINDOWS	X			X		WINDOW SILL

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Donald LePage	12/30/10	12/30/10			
(Printed) DONALD LePage	Time:	(Printed) 1130 K Williamson	(Printed)	Time:	(Printed)

Remarks: RESULTS BY END OF DAY 1/4/10

Condition of Samples: ok
Acceptable: Yes _____ No _____
Comments:

PLM Gravimetric Analysis

Date	Analyst	Lab Log #	Sample ID	Crucible ID	g crucible	g crucible plus sample	g after 480°	decimal Residue	% Asb in residue	% Asb total Sample
1/3/2011	KW	38982	**01**	6	18.0209	18.0691	18.0391	0.378	0.00	0.00
			03	19	18.6767	18.7113	18.7011	0.705	0.00	0.00
			07	84	17.3561	17.4459	17.4274	0.794	0.00	0.00
			09	69	19.7361	20.2021	20.1594	0.908	0.00	0.00
			11	336	20.0905	20.1745	20.1263	0.426	0.00	0.00

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Industrial Hygiene Laboratory
21 Griffin Road North
Windsor, CT 06095
(860) 298-6308

BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Public Works

Site: Eli Whitney Technical High School
Lab Log #: 39116
Project #: 164560.2640.0001
Date Received: 02/22/11
Date Analyzed: 02/22/11

RESULTS

Sample No.	Color	Homogeneous	Multi-Layered	Layer No.	Other Matrix Mat'ls	Asbestos %	Asbestos Type
1	Black	Yes	No	--	10% cellulose	60%	Chrysotile
2	--	--	--	--	--	NA/PS	--

NA/PS- Not Analyzed/Positive Stop

Reporting limit- asbestos present at 1%
ND<1% - asbestos was not detected
Trace- asbestos was observed at level of less than 1%

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, negative results must be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation (1982), and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2011. TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through October 1, 2012. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the samples is available upon written request from the client.
This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyst: Kathleen Williamson

QC Analyst: Kathleen Williamson

Reviewed by: _____
Laboratory Analyst

Approved _____
Kathleen Williamson
Signatory: Laboratory Manager

Date Issued: 2/22/11

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 AIHA #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000356
RI #AAL-007C3 TX #300354 VT #AL014538 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #10275CA

TRC

21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: October 2009
Supersede Previous Edition

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 39116

PROJECT NUMBER: 164560.2640.0001 17001/2

PROJECT NAME: Eli Whitney THS

SIGNATURE: Tom Martin

INSPECTOR: Tom Martin

TURNAROUND TIME

PLM:	X	8hr		24hr		48hr		3day
TEM:		24hr		48hr		3day		5day

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	MATERIAL
1	2/21/11	0918		X	B-Wing, Graphics	X	X				VB1 - black vapor barrier (former ext wall)
2	↓	0922		X	↓	X					↓

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
Tom Martin	2/22/11	2/22/11			
(Printed) Tom Martin	Time: 0808	(Printed) 0810	(Printed)	Time:	(Printed)

Remarks:

Condition of Samples: OK
Acceptable: Yes ✓ No ____
Comments:

00 31 32

Geotechnical

Investigation Report

06/18/2012

Project No. BI-RT-837

GEOTECHNICAL ENGINEERING REPORT
ELI WHITNEY CTHSS
HAMDEN, CONNECTICUT

by

Haley & Aldrich, Inc.
East Hartford, Connecticut

for

Antinozzi Associates, PC
Stratford, Connecticut

File No. 31771-000
June 2006

HALEY&
ALDRICH

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Haley & Aldrich, Inc.
800 Connecticut Blvd.
Suite 100
East Hartford, CT 06108-7303

Tel: 860.282.9400
Fax: 860.282.9500
HaleyAldrich.com

HALEY & ALDRICH

29 June 2006
File No. 31771-000

Antinozzi Associates, PC
4021 Main Street
Stratford, Connecticut 06497

Attention: David C. Ferris

Subject: Eli Whitney CTHSS
Hamden, Connecticut

Ladies and Gentlemen:

This report provides the results of our geotechnical engineering investigation for the proposed additions to Eli Whitney CTHSS, Hamden, Connecticut. Our services were provided in accordance with our proposal dated 22 December 2005 (Revised), as authorized by you.

SUMMARY

In summary, we recommend the building be supported on spread footing foundations bearing on a minimum 12 in. thickness of compacted granular fill over existing fill. The proposed garage should be supported on pressure-treated timber piles, with a concrete slab-on-grade floor. Our detailed report follows.

INTRODUCTION

This investigation was undertaken to obtain information on subsurface soil, rock, and groundwater conditions and to provide geotechnical and environmental recommendations.

The scope of geotechnical engineering services included:

- reviewing existing information on subsurface soil conditions and groundwater levels
- planning and monitoring a subsurface exploration program
- performing geotechnical analyses
- preparing this geotechnical report.

ELEVATION DATUM

Elevations in this report are in feet and refer to the NAVD 1988 Datum.

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FIELD AND LABORATORY INVESTIGATIONS

Recent Explorations

On 6 to 8 February 2006, New England Boring Contractors of Connecticut, Inc. drilled 19 test borings at the site (B1 through B20, B13 was not drilled), at the locations shown on the attached figure. Fifteen borings were drilled from 22 to 27 ft in depth, while four borings extended to 52 feet. The explorations were monitored by our geologist. The boring locations are shown on Figure 2 and the logs are included in Appendix A. We located the borings at the site by taping from features on the site plan. Ground surface elevations at the borings were estimated from topographic contours on the site plan.

Boring B20 was drilled at the south end of the track in a sinkhole which has developed.

Previous Explorations

A number of borings were drilled for the original building and its additions, between 1954 and 1976. The locations of previous explorations in the areas of the additions are shown on Figure 2, and the logs are included in Appendix B. Note that the sampling reported on the 1954 logs was conducted with a 2-1/2 in. dia. sampler driven by a 250 lb hammer falling 24 in. This is not standard sampling equipment and procedure and the blow count data are not Standard Penetration Test values.

Laboratory Testing

Six grain size analyses were performed on selected soil samples for classification purposes and to aid in determining engineering properties. The tests were performed in general conformance with ASTM standards. Laboratory test results are included in Appendix C.

SITE AND SUBSURFACE CONDITIONS

Site Conditions

The site has been excavated and graded, as confirmed by fill found in the borings. A previous site plan shows that before the school was built, grades on the site ranged from El. 40 in the northeast corner to El. 61 at the top of a hill in the center portion of this site. When the school was constructed the site was re-graded, to El. 40 in the northeastern corner and El 48 in the center of the existing building, resulting in approximately 12 feet of soil removed. Ground surface in the area of the proposed garage was previously at El. 31, and has been filled to El. 46. Apparently around the time this area was filled, two, 36-in. dia. RCP storm drain pipes were placed through this low area.

The site of the addition planned at the north end of the school consists of bituminous concrete pavement and landscaping, with underground utilities. The site of the addition along the west side consists primarily of a wing of the school, which will be demolished, and surrounding bituminous concrete pavement. Beyond the existing building, grade slopes up to athletic fields at approximately El. 59 to the south, and slopes up to El. 63 along the property line to the west. At the proposed location of the garage at the south end of the parking area, ground surface is approximately El. 46.

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Subsurface Conditions

Generalized descriptions of materials encountered during the recent explorations, in order of increasing depth, are as follow:

Fill - Loose to medium dense brown fine SAND to coarse to fine SAND, with varying amounts
of silt and gravel, and trace brick. Fill is generally about 3 to 7 ft. thick, but is 14 ft and 17 ft thick at B18 and B17, respectively, in the area planned for the garage.

Organic Deposit – A 2 ft thick deposit of loose black SILT, identified as peat, was encountered at B18 below the fill. This material was formed in the former wetland which has been filled at or prior to the original site development.

Outwash Sands - Loose to medium dense brown medium to fine SAND, trace silt, grading to silty fine SAND and sandy SILT with depth.

Bedrock was not encountered. According to the USGS mapping data, bedrock is estimated to range from 100 to 200 ft deep.

Boring B20 was drilled at the south end of the track in a sinkhole which has developed. This boring encountered 24 ft of typically loose to very loose fine sand fill with wood in the lower 8 ft of the borehole. This information agrees well with the 1954 contour plan, which shows grades in this area as low as El. 30, about 25 ft below present grade. This portion of the site was filled when the school was developed.

Groundwater Conditions

Groundwater was encountered at depths ranging from 15 to 18 feet in the borings drilled in the vicinity of the school. Water level ranges from El.35 to El.27.5 from north to south across the site. These data were obtained immediately after drilling and may not represent stabilized water levels. Groundwater levels will fluctuate with season, precipitation and nearby construction activity.

PROJECT DESCRIPTION

The project consists of two additions to the school, to the north and west sides. The westerly addition will replace D wing. The plan area of the two additions is approximately 66,500 sq. ft. The project also includes a 10-bay garage at the south end of the parking area. For the building addition, interior columns are to carry a proposed load of 130 kips and exterior columns will carry 75 kips. The exterior walls are planned to carry a load of 1.5 kips per linear foot. The proposed 10-bay garage will have columns carrying a proposed load of 30 kips and the walls will carry 1 kip per linear foot. These preliminary loads were provided by The DiSalvo Ericson Group, project structural engineers.

Ground floor levels range from El. 51.7 to El. 53.8 in the north addition, to El. 50.47 to El. 53.8 in the west addition. The floor slabs will be above exterior grade except along the west and south sides of the west addition. In these areas, the exterior grade will be up to about 7 ft above slab level.

A retaining wall is planned to permit lowering the grade to provide a drive around the west and south sides of the west addition.

GEOTECHNICAL ENGINEERING RECOMMENDATIONS

General

The analyses and recommendations in this report are based in part upon data obtained from the referenced explorations. The nature and extent of variations between the explorations may not become evident until construction. If variations then appear evident, it will be necessary to reevaluate the recommendations of this report.

Foundation Type

We recommend the two building additions be supported on spread footings. Footing bearing level will be within fill which overlies natural outwash sand. With one exception, the borings indicate the fill is medium dense and suitable to support the foundations. Footings should be placed on a minimum of 12 in. of compacted granular fill, after compacting the subgrade with a heavy vibratory roller. Loose fill, such as identified in boring B7, should be replaced with compacted granular fill.

For the proposed garage, we recommend the columns and walls be supported on friction piles driven into the natural sand below the fill and organic deposits. We considered the option of supporting the structure on spread and strip footings after ground improvement of the fill. However, supporting the structure above the storm drains would add load to the pipes, and stresses caused by ground improvement could damage the utilities. Therefore, this option is not recommended for the garage.

Foundation Design Criteria

<u>School Additions</u>

- Design footings for a maximum net allowable bearing pressure of 1.5 tons per sq ft (tsf). For footings less than 3 ft in least lateral dimensions, reduce the allowable bearing pressure in proportion to the reduction in the footing size relative to 3 ft.
- Increase allowable footing bearing pressures by 1/3 for transient loading conditions.
- Remove unsuitable material, if encountered, below footings and replace with compacted granular fill according to the detail in Figure 3.
- Design for a minimum footing width of 18 in.
- Design soil-bearing footings to bear a minimum 3.5 ft below proposed exterior grade, for frost protection.
- Locate footings to bear below a 1.5H:1V slope from the bottom of new or existing utility pipes, pits, or other planned localized excavations.

Garage

- Support the garage columns and walls on pressure-treated timber piles, with a maximum design capacity of 10 tons.
- Foundation piles should conform to ASTM D25 and to the American Wood Preserver's Association Cl-95, C3-95, and M4-95, with a minimum 8-in. tip diameter, and preservative retention of either coal tar creosote (minimum 12 pounds per cubic foot of pile) or CCA (minimum 0.8 pounds per cubic foot of pile).
- Piles should be installed to a depth of 35 ft below cutoff grade, or less if the minimum penetration resistance is obtained at a shallower depth.
- Install the piles in 12 in. diameter pre-drilled holes, 10 ft deep, to reduce false driving resistance.
- Design bottoms of pile caps and grade beams to be a minimum 3.5 ft below proposed exterior grade, for frost protection.
- Design the garage floor to be a reinforced concrete slab-on-grade bearing on a 6-in layer of compacted granular fill.

Settlement

For footings designed for the recommended bearing pressure, we estimate total static settlement will be less than 1 in., with differential settlements between adjacent footings less than ½ in. Settlements will occur during construction as the load is applied.

Lateral Earth Pressures and Retaining Walls

The resistance to lateral loads provided by passive soil pressure acting against footings and below-grade walls should be calculated as indicated in Figure 4.

Design retaining walls free to rotate at the top for active lateral pressures as shown on Figure 5. Design restrained walls for at-rest lateral pressures as shown on Figure 6.

Design for a factor of safety against overturning of at least 2.0 and a factor of safety against sliding of at least 1.5. Use a coefficient of sliding friction between concrete and on-site soils equal to 0.5. It is assumed walls will be drained, therefore, hydrostatic pressures are not considered.

Floor Slab

Design the lowest floor to be a soil-supported slab-on-grade. Place a 6 in. thick layer of compacted granular fill and a vapor barrier beneath the floor slab. The existing soils are suitable for slab support after proofrolling.

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Foundation Drainage

Groundwater was not encountered near slab level, and underslab drainage will not be required. A foundation drain should be provided on the west and south side of the west wing, where the site grade will be above the floor slab level. Our recommended detail is shown in Figure 4. The drain will collect a minor amount of storm water infiltration and discharge it by leaching into the pervious natural sand through the crushed stone at the base of the wall.

Seismic Design

We conclude from seismic analyses that the soils are not susceptible to liquefaction, and seismically-induced settlement will not exceed ¼ in. Recommended seismic soil design criteria are shown in Table I.

Pavement Design

Assuming traffic will be primarily automobiles, with occasional trucks accessing the building, we recommend the following pavement section for parking lot and roadway areas at cuts or in fills, with reference to CONNDOT Form 816:

	Thickness (in.)	
	Parking Areas (Cars)	Roadways (Cars & Trucks)
Bituminous concrete: Top	1.5	1.5
Binder	1.5	2.5
Processed Aggregate Base, M.05.01	4	4
Gravel Subbase, M.02.06 grading A	8	8

Subgrades below pavement sections will primarily consist of medium to fine sand. The subgrades are anticipated to be suitable following proofrolling. The existing pavement should be broken up or removed prior to surface compaction. Soft and yielding material should be replaced with compacted fill.

Compacted Granular Fill

Compacted granular fill is recommended for the following areas:

- below the building to raise the site grade and to backfill footings and utility trenches
- as the final 6 in. thickness below floor slab, and
- backfill for foundation walls.

Compacted granular fill should consist of sandy gravel or gravelly sand, free of organic material, snow, ice, frozen soil, or other unsuitable material, and be well-graded within the following limits:

U.S. Standard Sieve Size	Percent Finer by Weight
6 in.[1]	100
No. 4	20-80
No. 40	10-50
No. 200	0-8

[1] use a maximum 3 in. size for fill placed within 12 in. of concrete slabs.

Common Fill

Common fill may be used for raising grades below pavement sections and landscaped areas. Common fill should consist of mineral soil, free of clay, organic soil, deleterious material, and particles larger than 10 in. in size, which can be spread and compacted.

Crushed Stone

Crushed stone should be used around foundation drains. This material should consist of ¾-in. size crushed stone satisfying the requirements of Connecticut Department of Transportation Form 816, M.01.01, No. 6. Crushed stone should be separated from surrounding soil using a geotextile filter.

Geotextile Filter

A filtration-type geotextile is recommended between crushed stone and surrounding soil. It should consist of Mirafi Construction Products 140N, ConTech C46NW, SI Geosolutions Geotex 401, or equivalent.

Drainage Mat

The drainage mat should consist of Mirafi Construction Products G100N, or equivalent.

Excavated Soil

On site excavated soil will consist of undisturbed outwash deposits (medium to fine sand) and sandy fill. These on site soils will generally be suitable to backfill foundations, and coarser portions of the natural sand may be suitable for reuse as compacted granular fill directly under the floor slab.

Fill Placement and Compaction Criteria

Fill and backfill should be compacted to the following minimum compaction requirements, in accordance with ASTM D1557:

Area	Minimum Degree of Compaction, Percent
Below footings and building slabs (Zone of Influence)	95
Pavement, slab, and sidewalk gravel base	95
Within 3 ft below exterior slabs, sidewalks, pavements	95
Deeper than 3 ft below exterior slabs, sidewalks, pavements	92
Landscape and lawn areas	92

CONSTRUCTION CONSIDERATIONS

General

This section provides comments related to foundation construction and other geotechnical aspects of the project. It will aid those responsible for preparation of contract plans and specifications and those involved with construction monitoring. Contractors must evaluate potential construction problems on the basis of their own knowledge and experience in the area and on the basis of similar localities, taking into account their own proposed construction methods and procedures.

Excavation, Lateral Support and Temporary Slopes

Conventional heavy construction equipment will be suitable for excavation of fill and outwash sands. Temporary excavation side slopes of 1.5H:1V or flatter appear appropriate where space permits but should be confirmed based on conditions at the time of excavation. Excavation geometry should conform to OSHA excavation regulations contained in 29 CFR Part 1926, latest edition.

Excavation for the retaining wall around the west and south sides of the west addition will generally require cuts from 8 to 12 ft deep, relative to the grade at the adjacent property line or at the running track to the south. It appears that temporary lateral support will be necessary to protect the adjacent property and track. Cantilever soldier piles and lagging and interlocking sheet piling are both feasible. Soil nails and shotcrete may not be feasible due to the limited depth of cut that may be made in the sand prior to shotcreting.

Dewatering

Excavations will be above groundwater level, and the need for dewatering is not anticipated other than as required to remove surface water entering excavations. Surface water should be diverted away from excavations.

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Footing Bearing Surface Preparation

Excavation should be conducted in a manner which minimizes disturbance to the bearing stratum when excavating for footing bearing surfaces. Final excavation should be made by hand or with equipment having a smooth-edged bucket. The exposed subgrade soils should be observed in the field by a geotechnical engineer to confirm the assumed foundation bearing conditions. It may be necessary to overexcavate and replace soft, disturbed or otherwise unacceptable foundation bearing materials under footing and slab bearing areas. The project cost estimate should include an allowance for replacement of unsuitable soils.

Soil bearing surfaces must be protected against freezing before and after concrete placement. If construction is performed during freezing weather, footings on soil should be backfilled to a sufficient depth (up to 3 ft) as soon as possible after they are constructed. Alternatively, insulating blankets or other means may be used for protection against freezing.

Construction Observation

The recommendations contained in this report are based on known and predictable behavior of properly engineered and constructed foundations and other facilities. We recommend that Haley & Aldrich perform full time monitoring of the geotechnical aspects of construction based on our experience and familiarity with design concepts and subsurface conditions. Construction phase services should include observing and monitoring:

- removal of unsuitable material and preparation of footing and slab bearing surfaces,
- placement and compaction of structural fill., and
- installation of timber piles.

Field observations are intended to confirm compliance with the design concepts and specifications and to allow design changes in the event that subsurface conditions differ from those anticipated prior to construction.

FINAL COMMENTS

This report has been prepared for specific application to the Eli Whitney CTHSS. In the event that changes in the nature, design, or location of structures are planned, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing.

The analyses and recommendations submitted in this report are based in part upon data obtained from referenced explorations. The nature and extent of variations between the explorations may not become evident until construction. If variations then appear evident, it will be necessary to reevaluate the recommendations of this report.

Any recommendations presented in this report for foundation and floor drainage, moisture protection and waterproofing address only the conventional geotechnical engineering-related aspects of design and construction and are not intended to provide an environment that would prohibit infestation of mold or other biological pollutants. Our work scope did not include the development of criteria or procedures to minimize the risk of mold or other biological pollutant infestations in or near any structure.

Use of this report by any person or entity, including by Antinozzi Associates, PC, for a purpose other than the geotechnical aspects of the Eli Whitney CTHSS project is expressly prohibited unless such person or entity obtains written authorization from Haley & Aldrich indicating that the report is adequate for such other use. Use of this report by any person or entity for such other purpose without written authorization by Haley & Aldrich shall be at such person's or entity's sole risk and shall be without legal exposure or liability to Haley & Aldrich.

This report has been prepared for specific application to this project in accordance with generally accepted soil and foundation engineering practices. In the event that changes in the nature, design or location of structure occurs, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing.

We appreciate the opportunity to undertake these geotechnical engineering services and look forward to our continued assistance on this project. In the meantime, please call if you have any questions or require additional information.

Sincerely yours,
HALEY & ALDRICH, INC.

John P. Dugan, Jr.

John P. Dugan, Jr., P.E.
Senior Vice President

Attachments:

- Table I – Seismic Design Criteria
- Figure 1 - Project Locus
- Figure 2 - Subsurface Exploration Plan
- Figure 3 – Limits of Compacted Granular Fill Below Footings
- Figure 4 – Foundation Drain Detail
- Figure 5 – Passive Pressure Resistance
- Figure 6 – Active Earth Pressures for Retaining Walls
- Figure 7 – At Rest Lateral Pressures for Retaining Walls
- Appendix A – Logs of Recent Test Borings
- Appendix B – Logs of Previous Test Borings
- Appendix C - Laboratory Test Results

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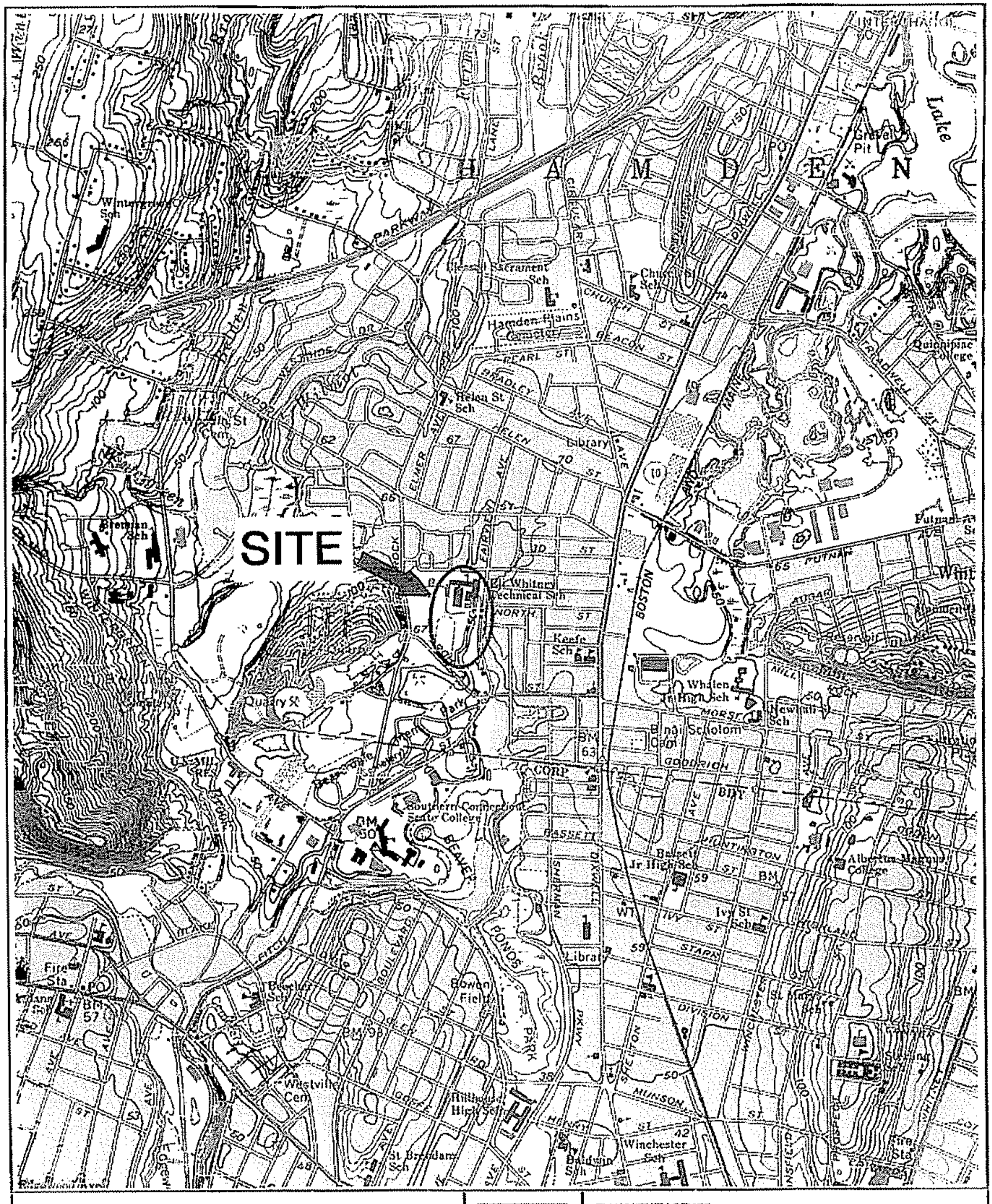
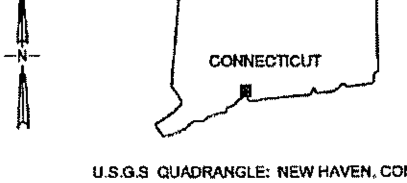
TABLE I
Seismic Design Criteria
Eli Whitney Regional Vocational Technical School
Hamden, Connecticut

Item	Recommended Parameter
Site Class	D
Peak Ground Acceleration (1)	
S_S (short period)	0.284 g
S_1 (1-second period)	0.084 g
Maximum Earthquake Spectral Response Acceleration	
S_{MS} (short period)	0.462 g
S_{M1} (1-second period)	0.202 g
Design Spectral Response Acceleration	
S_{DS} (short period)	0.310 g
S_{D1} (1-second period)	0.135 g

Notes:
1. Accelerations obtained from Connecticut State Building Code.
2. Criteria based on requirements of International Building Code 2003, Sections 1615 and 1616.



SITE COORDINATES: 41.3426°N 72.9424°W



U.S.G.S QUADRANGLE: NEW HAVEN, CONNECTICUT

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

ELI WHITNEY CTHSS
HAMDEN, CONNECTICUT

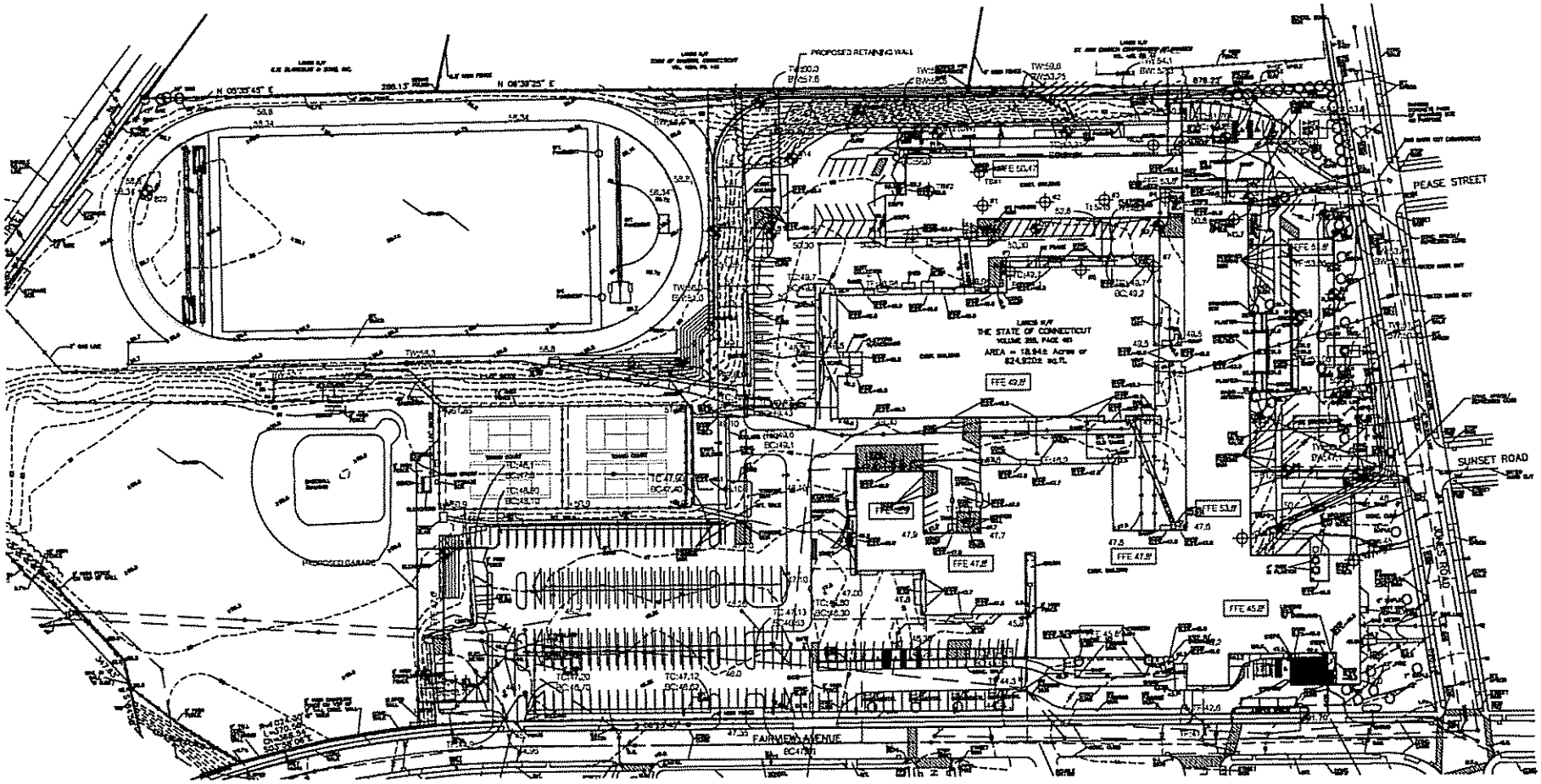
PROJECT LOCUS

SCALE: 1:24,000

FEBRUARY 2006

31771-000 A02

FIGURE 1



LEGEND

NO. 1 TEST BORING DRILLED BY ENGINEERING SERVICES, INC., HARTFORD, CONNECTICUT IN 1954.

#1 TEST BORING DRILLED BY TEST BORINGS, INC., NORTH HAVEN, CONNECTICUT, ACCORDING TO LOGS ON CONTRACT DRAWINGS DATED JUNE 2, 1969.

TB81 TEST BORING DRILLED BY SOIL TESTING, INC., SEYMOUR, CONNECTICUT IN MARCH 1970.

NB1 TEST BORING DRILLED BY EASTERN TESTING SERVICES, INC., WALLINGFORD, CONNECTICUT IN MARCH 1978

B1 APPROXIMATE LOCATION AND DESIGNATION OF TEST BORING DRILLED BY NEW ENGLAND BORING CONTRACTORS OF CT, INC., GLASTONBURY, CONNECTICUT DATED 8 THROUGH 8 FEBRUARY 2006.

NOTE:

1. BASE PLAN ARE AUTOCAD DRAWINGS XBASE.DWG AND XBLDG.DWG DATED 5 JUNE 2006.

N

0 50 100 150 200

SCALE IN FEET

HALEY & ALDRICH

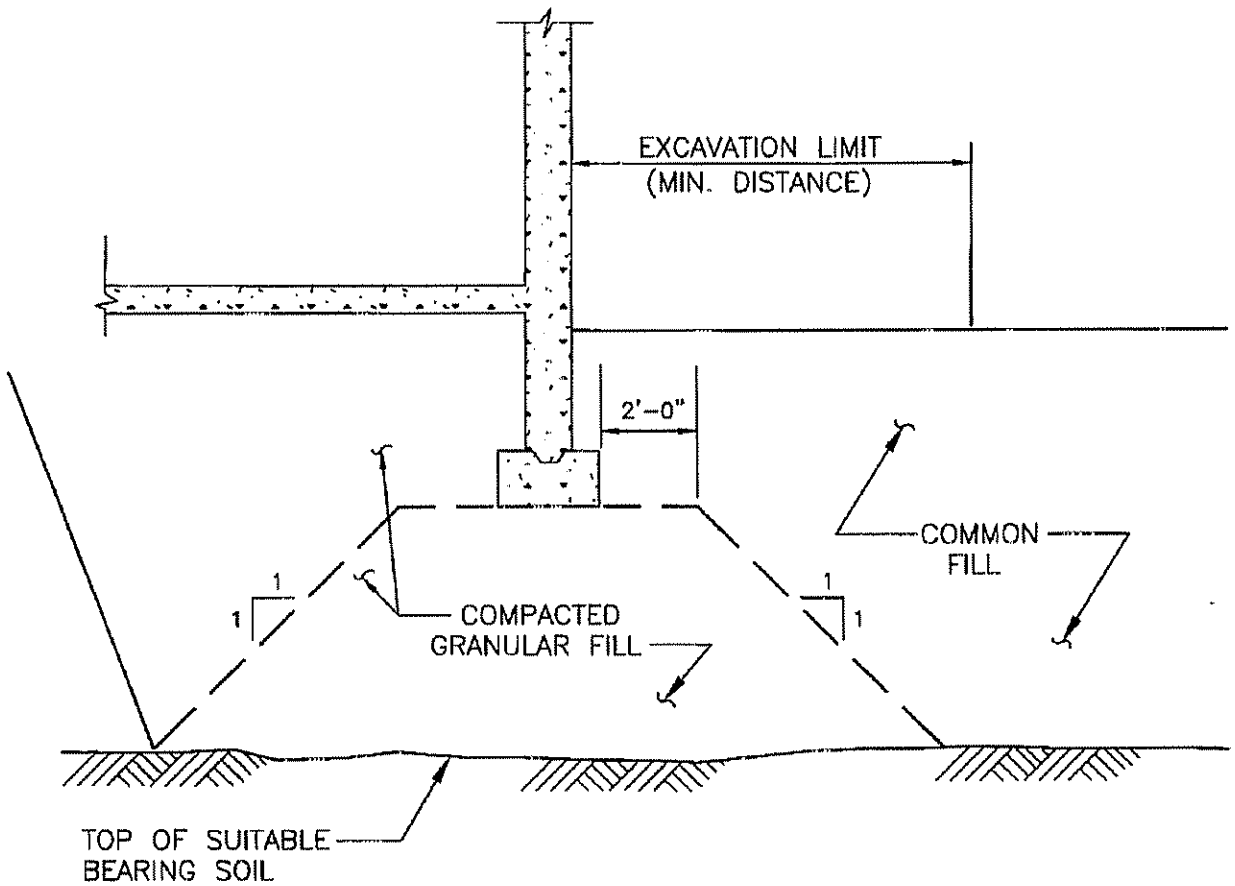
ELI WHITNEY CTHSS
HAMDEN, CONNECTICUT

TEST BORING LOCATION PLAN

SCALE: AS SHOWN
JUNE 2006

FIGURE 2

F:\DWG\317\1\317-H.DWG



TYPICAL DETAIL

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HAMDEN, CONNECTICUT

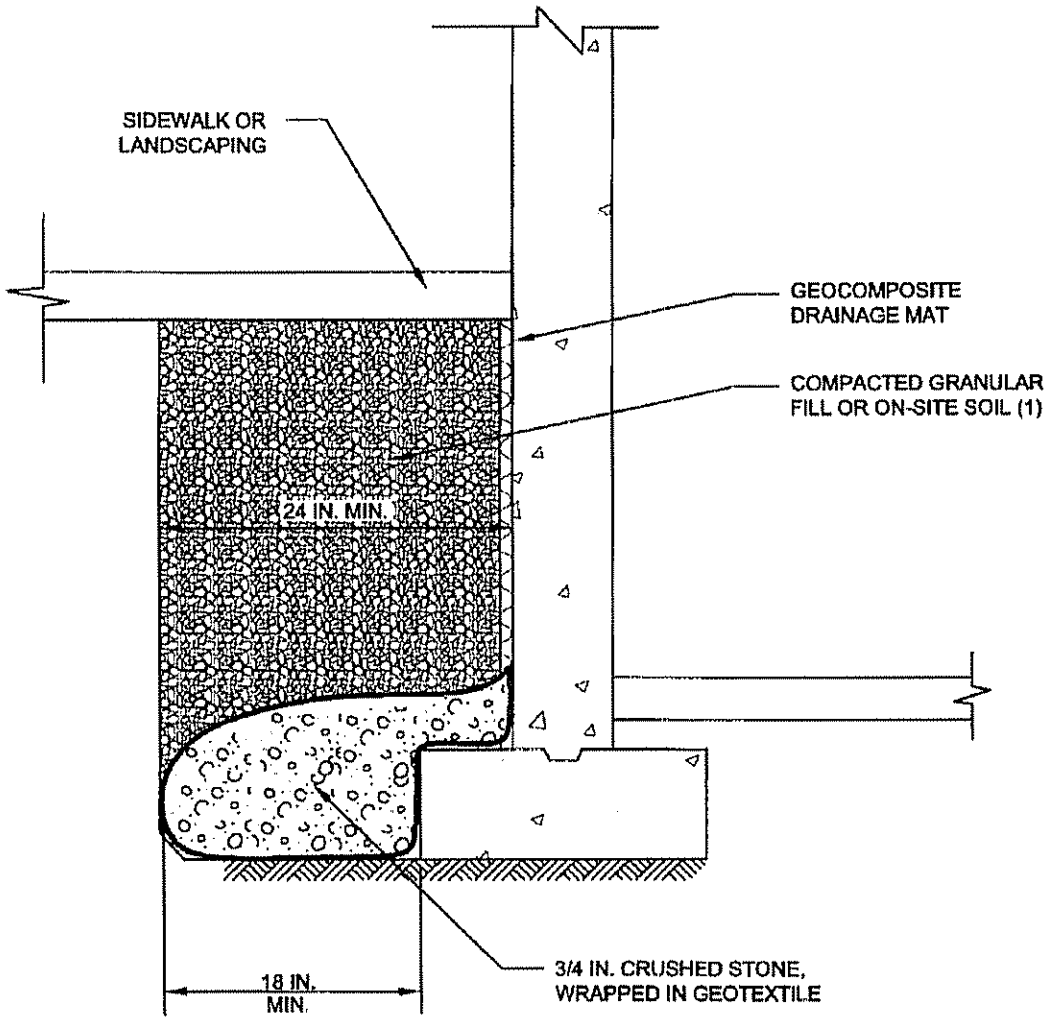
LIMITS OF COMPACTED
GRANULAR FILL BELOW FOOTINGS

NOT TO SCALE

JUNE 2006

31771-000 A06

FIGURE 3



NOTE:

1. ON-SITE SOIL FOR THIS USE SHALL HAVE LESS THAN 20% PASSING THE NO. 200 SIEVE.

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

ELI WHITNEY CTHSS
HAMDEN, CONNECTICUT

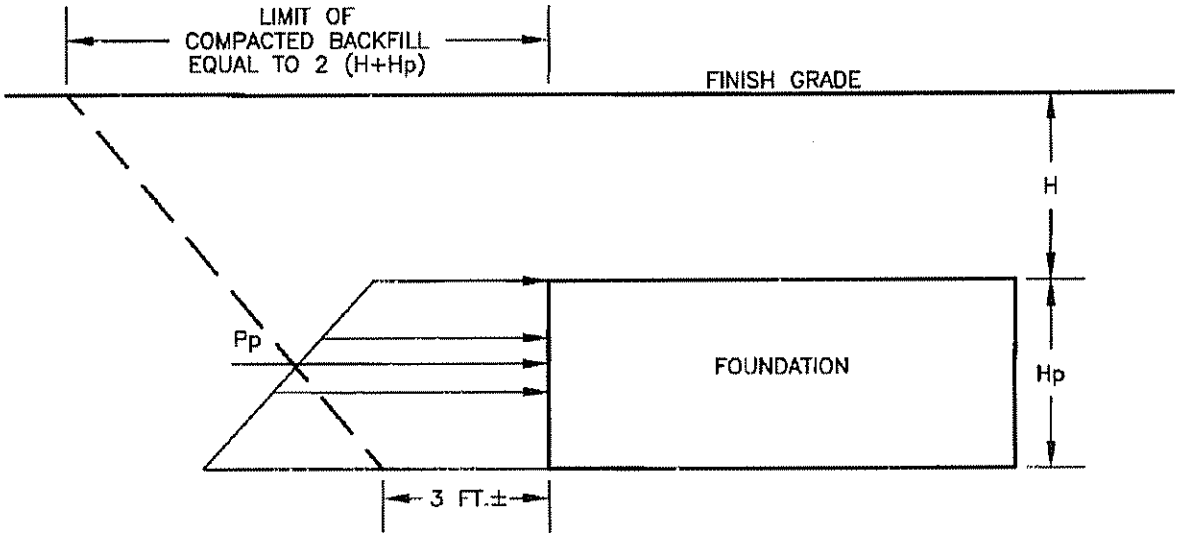
FOUNDATION DRAIN DETAIL

NOT TO SCALE

JUNE 2006

31771-000 A08

FIGURE 4



$$Pp_{all} = [(1/6)Kp - (1/2\ Ka)]\ \gamma_e\ (2H \times Hp + Hp^2)$$

BACKFILL TYPE	γ_e (lb./cf)	Kp	Ka	Pp_{all} (lb /ft.)
COMPACTED GRANULAR FILL	125	3 69	0.27	60 (2H X Hp + Hp^2)
COMMON FILL	115	3.00	0.33	38 (2H X Hp + Hp^2)

NOTES:

Pp_{all} = ALLOWABLE PASSIVE RESISTANCE

γ_e = EFFECTIVE SOIL UNIT WEIGHT

Kp = COEFFICIENT OF PASSIVE EARTH PRESSURE

Ka = COEFFICIENT OF ACTIVE EARTH PRESSURE

ASSUMES GROUNDWATER BELOW BOTTOM OF FOOTING OR WALL.

AT BELOW-GRADE WALLS, Hp EQUALS HEIGHT OF WALL BELOW FLOOR SLAB OR ADJACENT GROUND SURFACE, AND H EQUALS 0.

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

ELI WHITNEY CTHSS
HAMDEN, CONNECTICUT

PASSIVE PRESSURE RESISTANCE

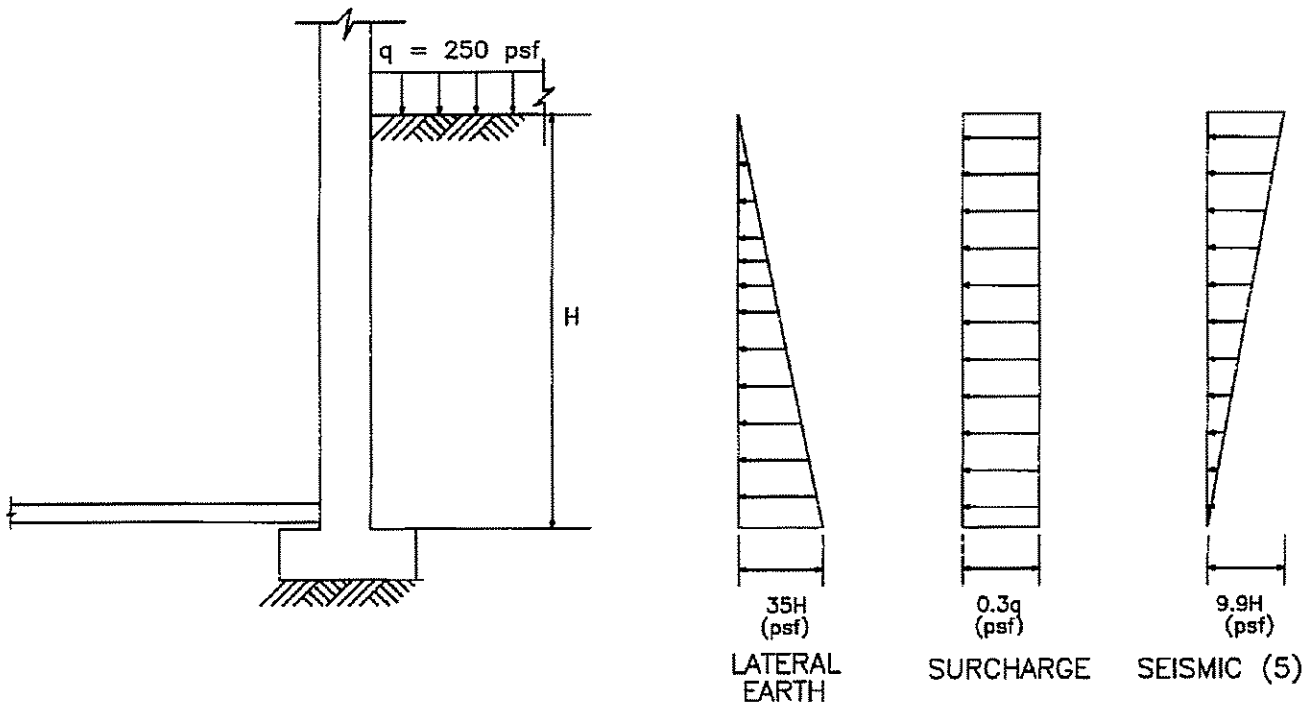
NOT TO SCALE

JUNE 2008

31771-000 A03

FIGURE 5

31771-000 A04



NOTES:

1. ACTIVE PRESSURE MAY BE ASSUMED WHERE WALLS ARE FREE TO DEFLECT AT LEAST 0.001H AT THE TOP FROM STATIC LOAD.
2. PRESSURE DISTRIBUTIONS ASSUME WALL BACKFILL IS GRANULAR FILL.
3. PRESSURE DISTRIBUTIONS ASSUME WALLS ARE DRAINED, THEREFORE, THERE IS NO HYDROSTATIC PRESSURE.
4. THE ASSUMED 250 psf SURCHARGE PRESSURE IS FOR CONSTRUCTION EQUIPMENT AND MATERIALS. HEAVIER LOADS SHOULD NOT BE ALLOWED ADJACENT TO FOUNDATION WALLS.
5. THE BUILDING CODE DOES NOT REQUIRE THE WALLS BE DESIGNED TO WITHSTAND THE SEISMIC LATERAL PRESSURE, HOWEVER, WE RECOMMEND THE SEISMIC PRESSURE BE CONSIDERED.

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

ELI WHITNEY CTHSS
HAMDEN, CONNECTICUT

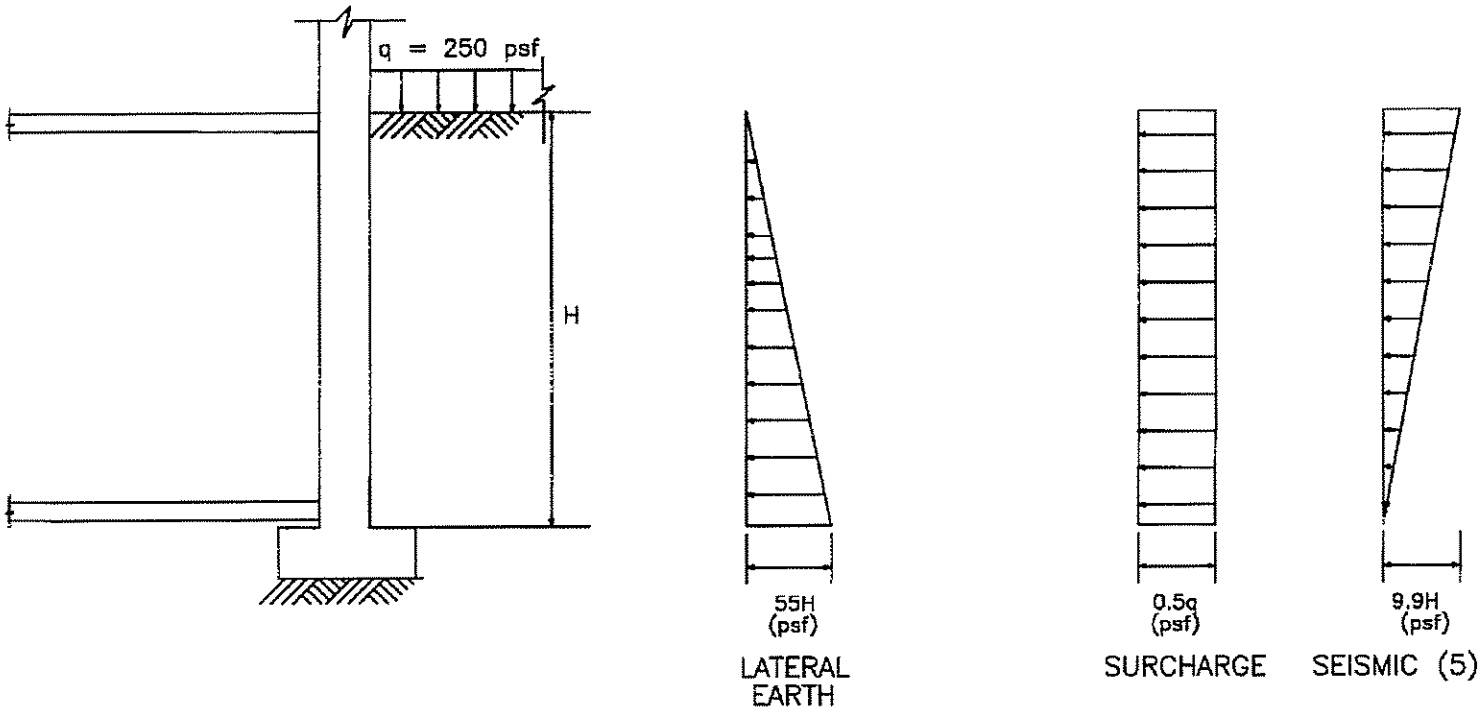
ACTIVE EARTH PRESSURES FOR RETAINING WALLS

NOT TO SCALE

JUNE 2006

FIGURE 6

31771-000 A05



NOTES:

1. IT IS ASSUMED THAT BELOW-GRADE WALLS ARE BRACED AT THE TOP BY THE FLOOR SLAB.
2. PRESSURE DISTRIBUTIONS ASSUME WALL BACKFILL IS GRANULAR FILL.
3. PRESSURE DISTRIBUTIONS ASSUME WALLS ARE DRAINED, THEREFORE, THERE IS NO HYDROSTATIC PRESSURE.
4. THE ASSUMED 250 psf SURCHARGE PRESSURE IS FOR CONSTRUCTION EQUIPMENT AND MATERIALS. HEAVIER LOADS SHOULD NOT BE ALLOWED ADJACENT TO FOUNDATION WALLS.
5. THE BUILDING CODE DOES NOT REQUIRE THE WALLS BE DESIGNED TO WITHSTAND THE SEISMIC LATERAL PRESSURE, HOWEVER, WE RECOMMEND THE SEISMIC PRESSURE BE CONSIDERED.

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

ELI WHITNEY CTHSS
HAMDEN, CONNECTICUT

AT REST
LATERAL PRESSURES
FOR RETAINING WALLS

NOT TO SCALE

JUNE 2006

FIGURE 7

APPENDIX A

Logs of Recent Test Borings

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B1

PROJECT Eli Whitney CTHSS: Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 2
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL	DRILLING EQUIPMENT & PROCEDURES
TYPE	HSA	S	-	RIG TYPE: Mobile Drill B59
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-	BIT TYPE: Cutting Head
HAMMER WEIGHT (LB)	-	140	-	DRILL MUD: None
HAMMER FALL (IN)	-	30	-	OTHER: Truck mounted, winch, safety hammer

ELEVATION 45.6
DATUM NAVD88
START February 7, 2006
FINISH February 7, 2006
DRILLER S. Ramsdell
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0					45.0	-ASPHALT (3 in.)-
		7	S1	0.6	0.6	No recovery
		13	0	2.6		
		20				
		17				
		17	S2	2.6		Dense brown-black fine SAND, little coarse sand,
		19	2	4.6		trace fine gravel, silt
		12				
		7			41.0	-FILL-
5		7	S3	4.6	4.6	Medium dense brown medium to fine SAND, trace coarse
		6	10	6.6		sand
		6				
		5				
10		6	S4	10.0		Medium dense brown coarse to fine SAND, little silt,
		6	12	12.0		trace fine gravel
		7				
		8				
15		4	S5	15.0		Medium dense brown medium to fine SAND, little silt,
		5	16	17.0		trace coarse sand
		6				
		9				
					27.1	
					18.5	
20		5	S6	20.0		Medium dense brown silty fine SAND
		7	22	22.0		
		7				
		12				
25						-GLACIOFLUVIAL (OUTWASH) DEPOSITS-

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

O	OPEN END ROD
T	THIN WALL TUBE
U	UNDISTURBED SAMPLE
S	SPLIT SPOON
C	ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	52.0
ROCK CORED (LIN FT)	-
SAMPLES	12S

BORING NO. B1

HALEY & ALDRICH

East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B1
FILE NO. 31771-000
SHEET NO. 2 OF 2

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
25		4	S7	25.0		Loose brown silty fine SAND
		3	24	27.0		
		4				
		3				
30		11	S8	30.0		Dense brown fine sandy SILT, trace coarse sand
		15	22	32.0		
		16				
		20				
35		8	S9	35.0		Dense brown silty fine SAND, little coarse sand
		14	22	37.0		
		17				
		23				
40		4	S10	40.0		Medium dense brown fine SAND, little silt, trace medium sand
		6	24	42.0		
		9				
		13				
45		8	S11	45.0		Medium dense brown fine SAND, some silt
		11	20	47.0		
		13				
		17				
50		10	S12	50.0		Dense brown fine SAND, little silt
		17	22	52.0		
		22				Note: Running sands at 50.0 ft, pumped water into hole to keep ahead of sands
		26			-6.4	
					52.0	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
						Bottom of Exploration at 52.0 ft

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B2

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 1
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 47.6
DATUM NAVD88
START February 7, 2006
FINISH February 7, 2006
DRILLER T. Roe
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0					47.4	-ASPHALT (2 in.)-
					0.2	
		5	S1	1.0		Loose brown coarse to fine SAND, trace silt
		5	18	3.0		
		4				
		5				
		3	S2	3.0		Similar to S1
		4	16	5.0		
		3				
		4				
5		5	S3	5.0		Loose brown coarse SAND, little medium to fine sand, trace fine gravel, silt
		4	18	7.0		
		3				
		5			40.6	-FILL-
					7.0	
10		3	S4	10.0		Loose brown medium to fine SAND, little coarse sand, trace fine gravel, silt
		5	16	12.0		
		5				
		5				
					32.6	
15		5	S5	15.0	15.0	Loose brown fine SAND, trace coarse sand, silt
		4	18	17.0		
		4				
		6				
20		2	S6	20.0		Loose brown silty fine SAND, trace coarse sand
		3	20	22.0		
		6				
		7			25.6	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					22.0	Bottom of Exploration at 22.0 ft

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/8/06	-	-	-	22.0	16.0

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	22.0
ROCK CORED (LIN FT)	-
SAMPLES	6S

BORING NO. B2

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B3

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 1
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 47.9
DATUM NAVD88
START February 7, 2006
FINISH February 7, 2006
DRILLER T. Roe
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0		1	S1	0.0	47.8	-TOPSOIL (1 in.)-
		4	18	2.0	0.1	Medium dense brown coarse to fine SAND, little silt
		7				
		10				
		8	S2	2.0		Similar to S1, except trace fine gravel
		9	16	4.0		
		8				
		8				
					42.9	-FILL-
5		4	S3	5.0	5.0	Loose brown coarse to fine SAND, trace silt
		4	20	7.0		
		5				
		7				
10		4	S4	10.0		Medium dense brown coarse to fine SAND, trace fine gravel, silt
		5	20	12.0		
		6				
		7				
15		5	S5	15.0		Medium dense coarse to medium SAND, little fine sand, silt
		5	16	17.0		
		6				
		8				
					27.9	
20		4	S6	20.0	20.0	Loose brown silty fine SAND, trace medium sand
		6	18	22.0		
		5				
		5			25.9	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					22.0	Bottom of Exploration at 22.0 ft

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/8/06	-	-	-	22.0	16.0

SAMPLE IDENTIFICATION

O	OPEN END ROD
T	THIN WALL TUBE
U	UNDISTURBED SAMPLE
S	SPLIT SPOON
C	ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	22.0
ROCK CORED (LIN FT)	-
SAMPLES	6S

BORING NO. B3

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO **B4**

PROJECT Eli Whitney CTESS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 1
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 48.7
DATUM NAVD88
START February 7, 2006
FINISH February 7, 2006
DRILLER T. Roe
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0					48.4	-ASPHALT (4 in.)-
					0.3	
		5	S1	1.0		Medium dense brown coarse to fine SAND, little
		7	14	3.0		coarse gravel, silt
		11				
		10				
		6	S2	3.0		Medium dense brown medium to fine SAND, little
		7	16	5.0		gravel, coarse sand
		8				
		8			43.7	-FILL-
5		6	S3	5.0	5.0	Medium dense coarse to fine SAND, trace gravel, silt
		7	20	7.0		
		78				
10		4	S4	10.0		Loose brown coarse to fine SAND, little silt
		5	20	12.0		
		5				
		7				
					35.2	
					13.5	
15		6	S5	15.0		Loose brown fine SAND, little coarse sand, trace
		5	22	17.0		silt
		5				
		7				
20		3	S6	20.0		Loose brown silty fine SAND, trace medium sand
		4	10	22.0		
		5				
		6			26.7	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					22.0	Bottom of Exploration at 22.0 ft.

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/8/06	-	-	-	22.0	16.9

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	22.0
ROCK CORED (LIN FT)	-
SAMPLES	6S

BORING NO. **B4**

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B5

PROJECT Eli Whitney CTHSS: Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 1
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 49.0
DATUM NAVD88
START February 7, 2006
FINISH February 7, 2006
DRILLER T. Roe
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0		1, 3, 7, 9	S1 20	0.0, 2.0	48.8	-TOPSOIL (2 in.)-
					0.2	Loose brown fine SAND, little silt
		9, 13, 25, 28	S2 14	2.0, 4.0		Dense brown medium to fine SAND, little gravel, silt
5		5, 4, 5, 5	S3 20	5.0, 7.0		Loose brown fine SAND, little silt
					42.0	-FILL-
					7.0	
10		7, 7, 6, 8	S4 18	10.0, 12.0		Medium dense brown fine SAND, trace silt
					34.0	
15		4, 4, 5, 6	S5 22	15.0, 17.0	15.0	Loose brown coarse to fine SAND, trace silt
					30.5	
					18.5	
20		3, 5, 7, 8	S6 20	20.0, 22.0		Medium dense brown silty fine SAND
					27.0	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					22.0	Bottom of Exploration at 22.0 ft

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/7/06	1215	-	-	22.0	17.0

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	22.0
ROCK CORED (LIN FT)	-
SAMPLES	6S

BORING NO B5

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B6

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 2
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B59
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 50.0
DATUM NAVD88
START February 7, 2006
FINISH February 7, 2006
DRILLER S. Ramsdell
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0		7, 8, 9, 13	S1 13	0.6, 2.6		Medium dense fine SAND, little gravel, coarse sand, trace brick
		7, 9, 12, 13	S2 6	2.6, 4.6	45.4	Medium dense medium to fine SAND, little fine gravel, trace coarse sand; -FILL-
5		5, 5, 6, 6	S3 8	4.6, 6.6	40.0	Medium dense brown coarse to fine SAND, little silt, trace fine gravel
10		4, 5, 6, 5	S4 10	10.0, 12.0		Medium dense brown medium to fine SAND, trace coarse sand, silt
15		4, 5, 5, 7	S5 10	15.0, 17.0	30.0	Loose brown medium to fine SAND, little silt
20		4, 6, 12, 8	S6 24	20.0, 22.0		Medium dense brown silty fine SAND; -GLACIOFLUVIAL (OUTWASH) DEPOSITS-
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/7/06	1525	-	-	52.0	15.0

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	52.0
ROCK CORED (LIN FT)	-
SAMPLES	12S

BORING NO. B6

HALEY & ALDRICH

East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B6
FILE NO. 31771-000
SHEET NO. 2 OF 2

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
25		10	S7	25.0		Dense brown fine SAND, some silt
		16	24	27.0		
		28				
		37				
30		6	S8	30.0		Medium dense brown fine SAND, some silt
		10	24	32.0		
		12				
		14				
35		7	S9	35.0		Medium dense brown fine SAND, some silt
		8	24	37.0		
		11				
		13				
40		6	S10	40.0		Medium dense brown fine SAND, trace silt
		7	17	42.0		
		9				
		12				
45		7	S11	45.0		Medium dense brown silty fine SAND
		7	24	47.0		
		9				
		10				
50		7	S12	50.0		Similar to S11
		8	24	52.0		
		8				
		11			-2.0	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					52.0	Bottom of Exploration at 52.0 ft

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B7

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 1
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 50.0
DATUM NAVD88
START February 7, 2006
FINISH February 7, 2006
DRILLER T. Roe
H&A REP C Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0		1	S1	0.0		Very loose brown fine SAND, trace coarse sand
		1	18	2.0		
		1				
		1				
		1/12	S2	2.0		Similar to S1
		1	12	4.0		
		2				
		1	S3	4.0		Very loose medium to fine SAND, trace coarse sand, silt
		1	18	6.0		
5		1				
		4			44.0	-FILL-
		6	S4	6.0	6.0	Medium dense brown fine SAND, trace coarse sand
		6	20	8.0		
		7				
		7				
10		4	S5	10.0		Medium dense brown medium to fine SAND
		5	20	12.0		
		6				
		7				
15		5	S6	15.0		Loose brown medium to fine SAND, trace coarse sand
		5	20	17.0		
		5				
		6				
					30.0	
20		1	S7	20.0	20.0	Loose brown coarse to fine SAND, little silt
		2	16	22.0		
		3				
		5			28.0	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					22.0	Bottom of Exploration at 22.0 ft

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/7/06	1545	-	-	22.0	18.0

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	22.0
ROCK CORED (LIN FT)	-
SAMPLES	7S

BORING NO. B7

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B8

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 1
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 50.0
DATUM NAVD88
START February 7, 2006
FINISH February 7, 2006
DRILLER T. Roe
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0					49.7	-ASPHALT (3 in.)-
					0.3	
		10	S1	1.0		Medium dense brown fine SAND, little gravel, trace silt
		11	16	3.0		
		10				
		8				
		6	S2	3.0		Medium dense brown coarse to fine SAND, trace silt
		6	18	5.0		
		6				
		6				
5		4	S3	5.0		Medium dense brown medium to fine SAND, little coarse sand, silt
		5	18	7.0		
		6				
		8				
					41.5	
					8.5	
10		6	S4	10.0		Medium dense brown coarse to fine SAND, trace fine gravel, silt
		8	22	12.0		
		8				
		10				
15		7	S5	15.0		Medium dense brown coarse to fine SAND, little fine gravel, trace silt
		7	22	17.0		
		8				
		13				
					31.5	
					18.5	
20		3	S6	20.0		Loose brown silty fine SAND
		3	16	22.0		
		5				
		6			28.0	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					22.0	Bottom of Exploration at 22.0 ft

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/7/06	1440	-	-	22.0	17.6

SAMPLE IDENTIFICATION

O	OPEN END ROD
T	THIN WALL TUBE
U	UNDISTURBED SAMPLE
S	SPLIT SPOON
C	ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	22.0
ROCK CORED (LIN FT)	-
SAMPLES	6S

BORING NO. B8

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B9

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 1
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 48.0
DATUM NAVD88
START February 8, 2006
FINISH February 8, 2006
DRILLER T. Roe
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0						
		12	S1	1.0		Medium dense brown-black fine SAND, trace gravel
		10	10	2.6		
		7				Note: Spoon bounced at 2.6 on possible obstruction. Move borehole 3 ft west and continued
		3	S2	3.0		Loose brown fine SAND, little medium sand
		4	16	5.0		
		5				
		6				
5		3	S3	5.0		Loose brown fine SAND, little coarse sand
		4	18	7.0		
		4				
		5			41.0	-FILL-
					7.0	
10		3	S4	10.0		Loose brown medium to fine SAND, trace coarse sand
		4	16	12.0		
		5				
		7				
15		6	S5	15.0		Medium dense brown fine SAND, little coarse to medium sand, trace silt
		6	18	17.0		
		5				
		6				
20		2	S6	20.0		Loose brown coarse to fine SAND, trace silt
		3	16	22.0		
		4				
		6			26.0	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					22.0	Bottom of Exploration at 22.0 ft

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/8/06	1200	-	-	22.0	16.5

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	22.0
ROCK CORED (LIN FT)	-
SAMPLES	6S

BORING NO. B9

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B10

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 1
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 50.0
DATUM NAVD88
START February 8, 2006
FINISH February 8, 2006
DRILLER T Roe
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0					49.7	-ASPHALT (3 in.)-
					0.3	
		15	S1	1.0		Dense brown fine SAND, trace coarse sand, silt
		17	18	3.0		
		19				
		18			47.0	-FILL-
		9	S2	3.0	3.0	Medium dense brown coarse to fine SAND
		9	16	5.0		
		9				
		8				
5		4	S3	5.0		Loose brown coarse to fine SAND, trace silt
		4	16	7.0		
		5				
		5				
					40.0	
10		4	S4	10.0	10.0	Medium dense brown medium to fine SAND, trace coarse sand, silt
		5	16	12.0		
		7				
		8				
15		10	S5	15.0		Medium dense brown medium to fine SAND, trace coarse sand
		10	14	17.0		
		9				
		8			33.0	
					17.0	
20		4	S6	20.0		Medium dense brown coarse to fine SAND, trace silt
		7	18	22.0		
		7				
		8			28.0	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					22.0	Bottom of Exploration at 22.0 ft

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/8/06	1030	-	-	22.0	17.5

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	22.0
ROCK CORED (LIN FT)	-
SAMPLES	6S

BORING NO. B10

HALEY & ALDRICH	East Hartford, Connecticut	TEST BORING REPORT	BORING NO. B11

PROJECT	Eli Whitney CTHSS; Hamden, Connecticut
CLIENT	Antinozzi Associates, PC
CONTRACTOR	New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 2
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL	DRILLING EQUIPMENT & PROCEDURES
TYPE	HSA	S	-	RIG TYPE: Mobile Drill B59
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-	BIT TYPE: Cutting Head
HAMMER WEIGHT (LB)	-	140	-	DRILL MUD: None
HAMMER FALL (IN)	-	30	-	OTHER: Truck mounted, winch, safety hammer

ELEVATION 47.9
DATUM NAVD88
START February 8, 2006
FINISH February 8, 2006
DRILLER S. Ramsdell
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN.	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0					47.6	-ASPHALT (3 in.)-
					0.3	
		6	S1	0.6		Medium dense brown coarse to fine SAND, little fine
		7	112	2.6		gravel, trace silt
		7				
		7				
		4	S2	2.6		Similar to S1
		4	12	4.6		
		5				
		6				
		3	S3	4.6		Similar to S2
5		4	14	6.6		
		5				
		5				
					40.9	-FILL-
					7.0	
10		4	S4	10.0		Loose brown medium to fine SAND, trace silt
		5	12	12.0		
		5				
		5				
15		3	S5	15.0		Loose brown medium to fine SAND, trace coarse sand,
		3	18	17.0		trace silt
		4				
		4				
20		3	S6	20.0		Loose brown fine SAND, trace medium sand, silt
		4	22	22.0		
		5				
		4				
25						-GLACIOFLUVIAL (OUTWASH) DEPOSITS-

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/8/06	1400	-	-	52.0	15.0

SAMPLE IDENTIFICATION

O	OPEN END ROD
T	THIN WALL TUBE
U	UNDISTURBED SAMPLE
S	SPLIT SPOON
C	ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	52.0
ROCK CORED (LIN FT)	-
SAMPLES	12S

BORING NO. B11

HALEY & ALDRICH

East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B11
FILE NO. 31771-000
SHEET NO. 2 OF 2

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
25		3	S7	25.0		Loose brown fine SAND, trace silt
		4	22	27.0		
		4				
		6				
30		2	S8	30.0		Loose brown fine SAND, little silt
		3	24	32.0		
		3				
		5				
35		3	S9	35.0		Loose brown fine SAND, little silt
		4	20	37.0		
		4				
		6				
40		4	S10	40.0		Similar to S9
		4	20	42.0		
		6				
		7				
45		5	S11	45.0		Similar to S10
		7	24	47.0		
		8				
		12				
50		4	S12	50.0		Similar to S11
		5	24	52.0		
		9				
		14			-4.1	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					52.0	Bottom of Exploration at 52.0 ft

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B12 (OW)

PROJECT Eli Whitney CTHSS: Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 1
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 49.2
DATUM NAVD88
START February 8, 2006
FINISH February 8, 2006
DRILLER T Roe
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0					48.9	-ASPHALT (3 in.)-
					0.3	
		25	S1	1.0		Dense brown fine SAND, trace fine gravel, coarse sand
		23	2	3.0		
		17				
		15			46.2	Note: poor recovery, stone jammed in tip of spoon
		6	S2	3.0	3.0	-FILL-
		6	18	5.0		Medium dense brown coarse to fine SAND, trace silt
		6				
		7				
5		3	S3	5.0		Loose brown fine SAND, little coarse sand
		3	18	7.0		
		4				
		6				
10		5	S4	10.0		Medium dense brown coarse to fine SAND
		6	20	12.0		
		6				
		9				
					35.7	
					13.5	
15		5	S5	15.0		Medium dense brown medium to fine SAND, trace fine gravel
		6	18	17.0		
		7				
		7				
20		1	S6	20.0		Loose brown medium to fine SAND, trace silt
		2	18	22.0		
		4				
		5				-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					26.7	
					22.5	Bottom of Exploration at 22.5 ft

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/8/06	0900	-	-	22.0	17.5

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	22.5
ROCK CORED (LIN FT)	-
SAMPLES	6S

BORING NO. B12 (OW)

OBSERVATION WELL INSTALLATION REPORT

HALEY & ALDRICH

Well No. B12-OW

Boring No. B12-OW

PROJECT	Eli Whitney Retional Vocational Technical School	H&A FILE NO.	31771-000
LOCATION	Hamden, Connecticut	PROJECT MGR.	J. Dugan
CLIENT	Antinozzi Associates, PC	FIELD REP.	C. Drake
CONTRACTOR	New England Boring Contractors of Connecticut, Inc.	DATE INSTALLED	2/8/2006
DRILLER	T. Roe	WATER LEVEL	17.5 ft

Ground El. 49.2 ft

El. Datum

Location: See Plan

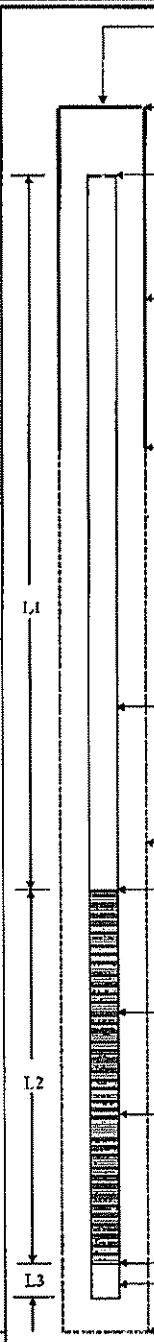
☐ Guard Pipe

☑ Roadway Box

SOIL/ROCK CONDITIONS	BOREHOLE BACKFILL
	Concrete
Fill	0.5
3	
	Filter Sand
	8
	Bentonite
	10
Outwash Sands	Filter Sand
	12.5
22.5	22.5

(Bottom of Exploration)

(Numbers refer to depth from ground surface in feet)



(Not to Scale)

Type of protective cover/lock	Roadway Box	
Height/Depth of top of guard pipe/roadway box above/below ground surface	0.0	ft
Height/Depth of top of riser pipe above/below ground surface	0.5	ft
Type of protective casing:	Roadway box	
Length	1.0	ft
Inside Diameter	4.0	in
Depth of bottom of guard pipe/roadway box	1.0	ft

Type of Seals	Top of Seal (ft)	Thickness (ft)
Concrete	0.0	0.5
Bentonite Seal	8.0	2.0

Type of riser pipe:	Schedule 40 PVC	
Inside diameter of riser pipe	2.0	in
Type of backfill around riser	Filter Sand	
Diameter of borehole	4.0	in
Depth to top of well screen	12.5	ft
Type of screen	SlottedSchedule 40 PVC	
Screen gauge or size of openings	0.010	in
Diameter of screen	2.0	in
Type of backfill around screen	Filter Sand	
Depth of bottom of well screen	22.5	ft
Bottom of Silt trap	-	ft
Depth of bottom of borehole	22.5	ft

12.5 ft (Riser Pay Length (L1)) + 10 ft (Length of screen (L2)) + 0 ft (Length of silt trap (L3)) = 22.5 ft (Pay length)

COMMENTS:

Form 2007

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B14

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 2
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B59
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 49.0
DATUM NAVD88
START February 8, 2006
FINISH February 8, 2006
DRILLER S. Ramsdell
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0		2, 3, 4, 4	S1 12	0.0, 2.0		Loose brown fine SAND, trace coarse sand, fibers
		4, 5, 7, 9	S2 12	2.0, 4.0		Medium dense brown medium to fine SAND, trace course sand, silt
					45.0	-FILL-
					4.0	
5		4, 4, 5, 6	S3 10	5.0, 7.0		Loose brown fine SAND
10		3, 4, 5, 5	S4 14	10.0, 12.0		Loose brown fine SAND, trace silt
15		4, 6, 5, 7	S5 14	15.0, 17.0		Medium dense brown fine SAND Note: One 1.5 in. stone
					29.0	
20		2, 2, 2, 4	S6 16	20.0, 22.0	20.0	Loose brown coarse to fine SAND, trace silt
25						-GLACIOFLUVIAL (OUTWASH) DEPOSITS-

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/8/06	1015	-	-	52.0	18.0

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY
OVERBURDEN (LIN FT) 52.0
ROCK CORED (LIN FT) -
SAMPLES 12S

BORING NO. B14

HALEY & ALDRICH

East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B14
FILE NO. 31771-000
SHEET NO. 2 OF 2

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
25		4	S7	25.0		Medium dense brown coarse to fine SAND, little
		7	14	27.0		coarse sand
		7				
		10				
30		3	S8	30.0		Medium dense coarse to fine SAND, trace silt
		6	16	32.0		
		7				
		11				
35		5	S9	35.0		Medium dense brown coarse to fine SAND, trace fine
		7	18	37.0		gravel, silt
		8				
		10				Note: Running sands at 37.0 ft, kept ahead with water
40		3	S10	40.0		Medium dense brown fine SAND, trace silt
		6	18	42.0		
		6				
		10				
45		6	S11	45.0		Similar to S10
		9	24	47.0		
		22				
		36				
					-1.0	
50		4	S12	50.0	50.0	Medium dense brown SILT, trace fine sand
		7	2	52.0		
		12				
		14			-3.0	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					52.0	Bottom of Exploration at 52.0 ft

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B15

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 2
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 60.5
DATUM NAVD88
START February 6, 2006
FINISH February 6, 2006
DRILLER J. Levitt
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN.	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0		2, 4, 6, 7	S1 20	0.0, 2.0		Loose brown medium to fine SAND, little silt, trace fine gravel, plant fibers
					57.5	-FILL-
					3.0	
5		4, 6, 7, 7	S2 20	5.0, 7.0		Medium dense brown medium to fine SAND, trace silt
					50.5	
10		3, 4, 5, 7	S3 16	10.0, 12.0	10.0	Loose brown fine SAND, trace silt, medium sand
					45.5	
15		3, 4, 4, 5	S4 20	15.0, 17.0	15.0	Loose brown coarse to fine SAND, trace silt
20		4, 4, 5, 6	S5 20	20.0, 22.0		Loose brown medium to fine SAND, trace silt
25						-GLACIOFLUVIAL (OUTWASH) DEPOSITS-

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	27.0
ROCK CORED (LIN FT)	-
SAMPLES	6S

BORING NO. B15

HALEY & ALDRICH

East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B15
FILE NO. 31771-000
SHEET NO. 2 OF 2

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
25		5	S6	25.0		Similar to S5, except medium dense
		5	18	27.0		
		6				
		7			33.5	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					27.0	Bottom of Exploration at 27.0 ft

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B16

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 1
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 47.9
DATUM NAVD88
START February 7, 2006
FINISH February 7, 2006
DRILLER T. Roo
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0						
		6, 5	S1, 16	1.0, 3.0		Medium dense brown medium to fine SAND, trace silt
		6, 6				
		4, 4	S2, 14	3.0, 5.0		Loose brown coarse to fine SAND, trace silt
		4, 5			42.9	-FILL-
5		4, 6	S3, 16	5.0, 7.0	5.0	Medium dense brown medium to fine SAND, trace coarse sand, silt
		6, 8				
10		6, 6	S4, 22	10.0, 12.0		Medium dense brown medium to fine SAND, little silt
		6, 7				
15		7, 9	S5, 20	15.0, 17.0		Medium dense brown fine SAND, some silt
		11, 13				
					29.4	
					18.5	
20		3, 4	S6, 18	20.0, 22.0		Loose brown coarse to fine SAND, trace silt
		5, 6			25.9	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					22.0	Bottom of Exploration at 22.0 ft

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/7/06	1345	-	-	22.0	17.5

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	22.0
ROCK CORED (LIN FT)	-
SAMPLES	6S

BORING NO. B16

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B17

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 2
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 45.5
DATUM NAVD88
START February 8, 2006
FINISH February 8, 2006
DRILLER T. Roo
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0					45.2	-ASPHALT (4 in.)-
					0.3	
		11	S1	1.0		Dense brown fine SAND, little gravel
		15	20	3.0		
		20				
		21				
		16	S2	3.0		Medium dense brown fine SAND, little coarse to
		13	18	5.0		medium sand
		13				
		13				
5		6	S3	5.0		Medium dense brown fine SAND, trace coarse sand
		7	18	7.0		
		8				
		1				
		6	S4	7.0		Similar to S3
		6	18	9.0		
		8				
		9				
		5	S5	9.0		Similar to S4
		4	18	11.0		
10		4				
		3				
		2	S6	11.0		Loose dark brown fine SAND, little silt, trace
		3	18	13.0		coarse sand, fibers
		3				
		2				
		2	S7	13.0		Very loose brown fine SAND, little coarse sand,
		1	20	15.0		trace gravel, silt
		2				
		7				
15		9	S8	15.0		Medium dense brown fine SAND, little silt, trace
		8	22*	17.0		coarse sand
		8				
		9			28.5	-FILL-
		8	S9	17.0	17.0	Medium dense brown coarse to fine SAND, little silt
		6	18*	19.0		
		6				
		9				
					25.5	
20		1	S10	20.0	20.0	Loose brown silty fine SAND
		2	14*	22.0		
		3				
		3				
						-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
25						

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/8/06	1430	-	-	27.0	18.0

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY
OVERBURDEN (LIN FT) 27.0
ROCK CORED (LIN FT) -
SAMPLES 6S

BORING NO. B17

HALEY & ALDRICH

East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B17
FILE NO. 31771-000
SHEET NO. 2 OF 2

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
25		1	S11	25.0		Similar to S10
		1	16*	27.0		
		3				
		3			18.5	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					27.0	Bottom of Exploration at 27.0 ft

* 140 lb. hammer broke. Used 300 lb. hammer with 14 in drop for samples S8 through S11

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B18

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 2
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL	DRILLING EQUIPMENT & PROCEDURES
TYPE	HSA	S	-	RIG TYPE: Mobile Drill B53
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-	BIT TYPE: Cutting Head
HAMMER WEIGHT (LB)	-	140	-	DRILL MUD: None
HAMMER FALL (IN)	-	30	-	OTHER: Truck mounted, winch, safety hammer

ELEVATION 42.8
DATUM NAVD88
START February 8, 2006
FINISH February 8, 2006
DRILLER T. Roe
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0						
		7, 7	S1, 18	1.0, 3.0		Medium dense brown medium to fine SAND, little coarse sand
		6, 6				
		5, 4	S2, 16	3.0, 5.0		Similar to S1
		3, 3				
5		2, 2	S3, 16	5.0, 7.0		Similar to S2
		2, 3				
		2, 2	S4, 14	7.0, 9.0		loose brown-black medium to fine SAND, little coarse sand, gravel
		6, 6				
		3, 3	S5, 2	9.0, 11.0		Loose brown medium to fine SAND, trace coarse sand
10		3, 2				
		4, 2	S6, 4*	11.0, 13.0		Loose brown medium to fine SAND, little coarse sand, concrete, brick
		3, 1				
		1, 1/12	S7, 16*	13.0, 15.0	28.8	-FILL-
		4			14.0	Very loose black SILT, little fine sand, plant fibers
15		2, 2	S8, 22*	15.0, 17.0	26.8	-PEAT-
		6, 9			16.0	Loose gray medium to fine SAND, trace silt
20		3, 4	S9, 16*	20.0, 22.0		Loose brown gravelly coarse SAND, trace silt
		6, 7				
25						-GLACIOFLUVIAL (OUTWASH) DEPOSITS-

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER
2/8/06	1600	-	-	27.0	15.0

SAMPLE IDENTIFICATION

O	OPEN END ROD
T	THIN WALL TUBE
U	UNDISTURBED SAMPLE
S	SPLIT SPOON
C	ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	27.0
ROCK CORED (LIN FT)	-
SAMPLES	6S

BORING NO. B18

HALEY & ALDRICH

East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B18
FILE NO. 31771-000
SHEET NO. 2 OF 2

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
25		2	S10	25.0		Very loose brown coarse SAND, little silt
		2	20*	27.0		
		2				
		4			15.8	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					27.0	Bottom of Exploration at 27.0 ft

* Samples driven with 300 lb. hammer and 14 in. drop

HALEY & ALDRICH	East Hartford, Connecticut	TEST BORING REPORT	BORING NO. B19

PROJECT	Eli Whitney CTHSS; Hamden, Connecticut	FILE NO.	31771-000
CLIENT	Antinozzi Associates, PC	SHEET NO.	1 OF 2
CONTRACTOR	New England Boring Contractors of Connecticut, Inc.	LOCATION	See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL	DRILLING EQUIPMENT & PROCEDURES
TYPE	HSA	S	-	RIG TYPE: Mobile Drill B53
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-	BIT TYPE: Cutting Head
HAMMER WEIGHT (LB)	-	140	-	DRILL MUD: None
HAMMER FALL (IN)	-	30	-	OTHER: Truck mounted, winch, safety hammer

ELEVATION 56.0
DATUM NAVD88
START February 6, 2006
FINISH February 6, 2006
DRILLER J. Levitt
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0		4, 5, 5, 7	S1 14	0.0, 2.0		Loose brown medium to fine SAND, little silt, trace coarse sand
					53.0	-FILL-
					3.0	
5		7, 15, 12, 10	S2 16	5.0, 7.0		Medium dense brown coarse to fine SAND, little silt, trace fine gravel
10		5, 6, 6, 6	S3 18	10.0, 12.0		Similar to S4
15		4, 5, 5, 9	S4 16	15.0, 17.0		Similar to S5
20		6, 7, 7, 5	S5 20	20.0, 22.0		Similar to S6
25						-GLACIOFLUVIAL (OUTWASH) DEPOSITS-

WATER LEVEL DATA					
DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION

- O OPEN END ROD
- T THIN WALL TUBE
- U UNDISTURBED SAMPLE
- S SPLIT SPOON
- C ROCK CORE

SUMMARY	
OVERBURDEN (LIN FT)	27.0
ROCK CORED (LIN FT)	-
SAMPLES	6S

BORING NO. B19

HALEY & ALDRICH

East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B19
FILE NO. 31771-000
SHEET NO. 2 OF 2

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
25		7	S6	25.0		Dense brown medium SAND, little silt
		8	22	27.0		
		9				
		10			29.0	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					27.0	Bottom of Exploration at 27.0 ft

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B20

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 2
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 55.6
DATUM NAVD88
START February 6, 2006
FINISH February 6, 2006
DRILLER J. Levitt
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0		1, 3, 4, 8	S1 20	0.0	55.5 / 0.1	Loose brown medium to fine SAND, little silt, trace fine gravel -TOPSOIL-
		7, 8, 10, 10	S2 18	2.0		Medium dense brown coarse to fine SAND, little silt
		7, 7, 8, 8	S3 16	4.0		Medium dense brown coarse to fine SAND, little silt
5		2, 2, 1, 1	S4 14	6.0		Very loose brown coarse to fine SAND, trace silt
		1, 2, 1, 1	S5 16	8.0		Very loose brown fine SAND, little silt
10		1, 1	S6 8	10.0		Similar to S5
		1, 1, 1	S7 10	12.0		Very loose brown fine SAND, little silt, 1/2 in. layer of clay
		1/12, 1/12	S8 8	14.0		Very loose brown fine SAND, little silt, trace medium sand
15		1/12, 1, 9	S9 10	16.0		Similar to S8, with wood in spoon
		20, 19, 18, 19	S10 6	18.0		sample consists entirely of wood
20		WR, 2, 1, 2	S11 6	20.0		Very loose brown coarse to fine SAND, little fine gravel, silt, trace wood
		6, 6, 7, 9	S12 12	22.0	31.6	Medium dense brown coarse to fine SAND, little inorganic silt, trace gravel, wood, brick -FILL-
		20, 18	S13 3	24.0	24.0	
25				26.0		

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY
OVERBURDEN (LIN FT) 27.0
ROCK CORED (LIN FT) -
SAMPLES 13S

BORING NO. B20

HALEY & ALDRICH

East Hartford, Connecticut

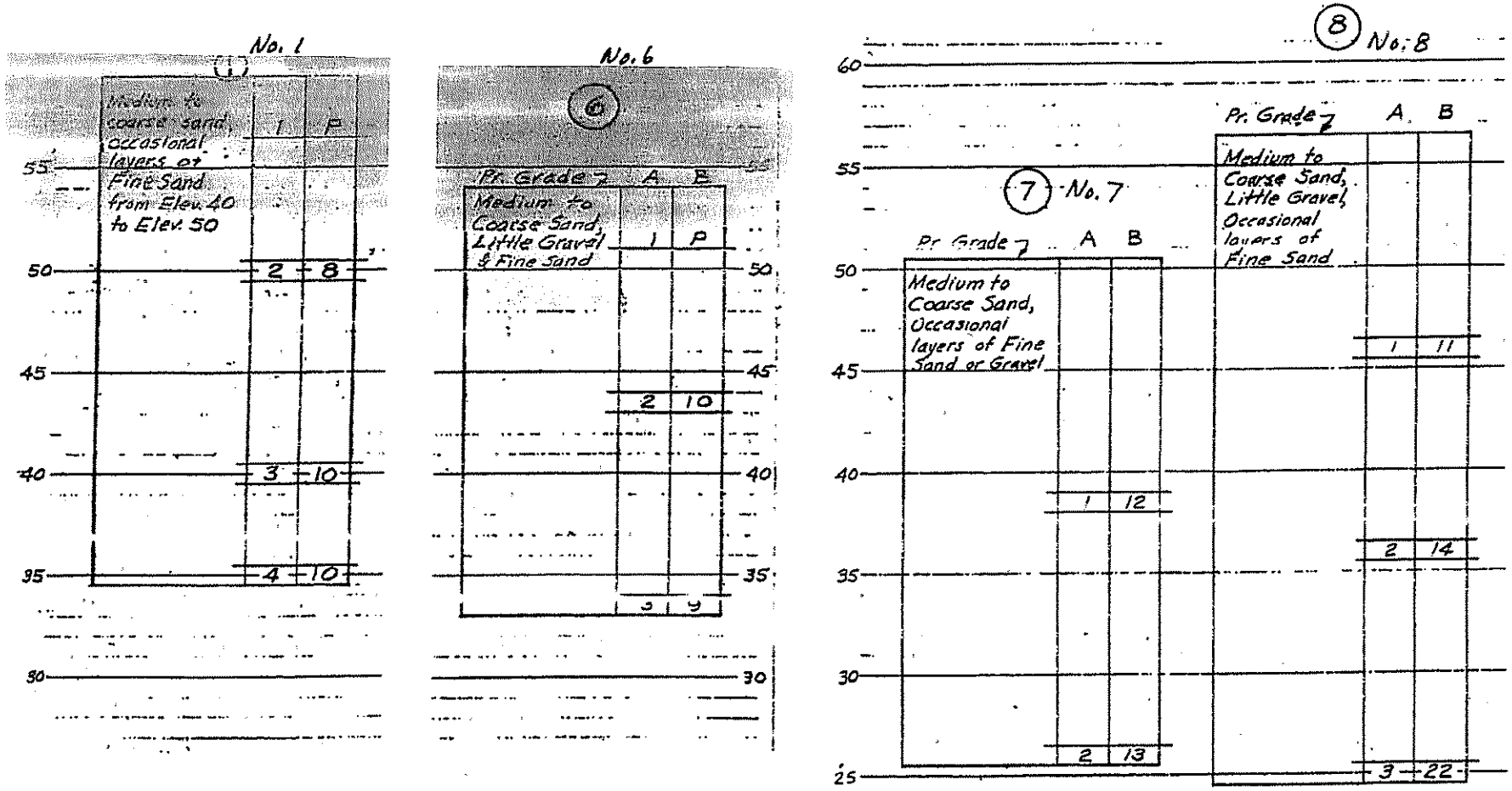
TEST BORING REPORT

BORING NO. B20
FILE NO. 31771-000
SHEET NO. 2 OF 2

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
25		16				
		18			29.6	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					26.0	Bottom of Exploration at 26.0 ft

APPENDIX B

Logs of Previous Test Borings



BORING PROFILES

Scale 1" = 5'-0"

NOTES:

1- Plot Plan adapted from surveys by Frederick C. Hahn, Civil Engineer & Surveyor, New Haven, Conn. dated Oct. 3, 1953, April 23, 1954, and May 17, 1954.

2- Borings data adapted from reports by Engineering Services, Inc., Hartford, Conn. dated Jan. 28, 1954 and May 18, 1954.

3- Contours shown on Plot Plan are existing contours. Borings locations shown on Plot Plan and present grade elevations shown on Boring Profiles are approximate.

4- Boring Profiles Notes:

a- Column "A" = Sample No.

b- Column "B" = Blows per foot on 2½" sampler spoon.

c- Hammer: weight = 250 lbs.; fall = 2'-0".

d- "P" in column "B" = pit sample.

e- No ground water table apparent.

BORING #1

GRND ELEV. 46.01
GRND WATER 17'E

A	B
	2" BLACKTOP, 6" TEAPBOCK
5	RED BROWN MEDIUM TO FINE SAND, LITTLE MEDIUM TO FINE GRAVEL
5-5-5	
10	RED BROWN FINE SAND
6-6-6	
15	RED BROWN FINE SAND, LITTLE MEDIUM TO FINE GRAVEL
5-8-7	
20	RED BROWN FINE SAND, TRACE OF SILT.
5-5-6	
25	SAME AS ABOVE. BOTTOM OF BORING: 26'-6"
6-7-7	

BORING #2

GRND. ELEV. 46.60
GRND. WATER 17'E

A	B
	8" BLACKTOP, SOME PIECES OF TEAPBOCK
5	RED BROWN MEDIUM TO FINE SAND, TRACE OF COARSE TO FINE GRAVEL.
4-6-6	
10	RED BROWN MEDIUM TO FINE SAND, TRACE OF MEDIUM TO FINE GRAVEL.
6-7-8	
15	RED BROWN MEDIUM TO FINE SAND, LITTLE MEDIUM TO FINE GRAVEL
4-6-6	
20	RED BROWN MEDIUM TO FINE SAND, TRACE OF SILT
7-7-7	
25	SAME AS ABOVE
6-7-7	
30	RED BROWN MEDIUM TO FINE SAND, TRACE OF SILT
5-7-6	
35	SAME AS ABOVE
6-7-8	
40	SAME AS ABOVE. BOTTOM OF BORING: 41'-6"
5-8-8	

BORING #3

GRND ELEV. 48.07
GRND WATER 17'E

A	B
	8" BLACKTOP, TEAPBOCK
5	RED BROWN COARSE TO FINE SAND, SOME MEDIUM TO FINE GRAVEL, TRACE OF SILT
5-6-6	
10	SAME AS ABOVE
5-5-9	
15	SAME AS ABOVE
7-9-9	
20	SAME AS ABOVE
4-5-5	
25	SAME AS ABOVE. BOTTOM OF BORING: 26'-6"
5-6-5	

BORING #4

GRND ELEV. 48.79
GRND WATER 17'E

A	B
	8" BLACKTOP
5	RED BROWN COARSE TO FINE SAND, SOME MEDIUM TO FINE GRAVEL, TRACE OF SILT
4-5-7	
10	SAME AS ABOVE
4-6-8	
15	SAME AS ABOVE
5-6-8	
20	SAME AS ABOVE
5-2-3	
25	SAME AS ABOVE. BOTTOM OF BORING: 26'-6"
4-4-6	

BORING #5

GRND ELEV. 47.05
GRND WATER 16'E

A	B
5	RED BROWN COARSE TO FINE SAND, TRACE OF FINE GRAVEL, TRACE OF SILT
5-3-4	
10	RED BROWN MEDIUM TO FINE SAND, TRACE OF FINE GRAVEL, TRACE OF SILT
4-7-8	
15	RED BROWN COARSE TO FINE SAND AND MEDIUM TO FINE GRAVEL, TRACE OF SILT.
5-6-8	
20	RED BROWN MEDIUM TO FINE SAND, SOME SILT.
6-7-8	
25	SAME AS ABOVE. BOTTOM OF BORING: 26'-6"
5-4-6	

BORING #6

GRND. ELEV.
GRND. WATER

A	B
	6" BLACKTOP
5	RED BROWN MEDIUM TO FINE SAND, SOME MEDIUM TO FINE GRAVEL, TRACE OF SILT
10	SAME AS ABOVE
15	RED BROWN MEDIUM TO FINE SAND, TRACE OF SILT.
20	RED BROWN COARSE TO FINE GRAVEL, TRACE OF SILT
25	SAME AS ABOVE. BOTTOM OF BORING: 26'-6"

BORING #7

GRND. ELEV. 47.53
GRND. WATER 16'E

A	B
	6" BLACKTOP
5	RED BROWN MEDIUM TO FINE SAND, SOME MEDIUM TO FINE GRAVEL, TRACE OF SILT.
4-8-7	
10	SAME AS ABOVE
7-7-7	
15	RED BROWN MEDIUM TO FINE SAND, TRACE OF SILT.
4-5-7	
20	RED BROWN COARSE TO FINE SAND, TRACE OF FINE GRAVEL, TRACE OF SILT.
5-5-4	
25	SAME AS ABOVE. BOTTOM OF BORING: 26'-6"
5-4-5	

LEGEND

COL. A - DEPTH OF BORE
COL. B - SAMPLER BLOWS PER 6"

HAMMER WEIGHT - 140#
HAMMER FALL - 30"
SAMPLER - 2" O.D. x 1 3/8" I.D.

	T.B.#1		T.B.#2		T.B.#3		T.B.#4	
	GRND. ELEV.=47.9' GRND WATER=DRY@0-HRS		=47.5' = DRY @ 0-HOURS		=46.8' = 18.0' @ 0-HOURS		=46.2' = DRY @ 0-HOURS	
A		B	A		A	B	A	B
0	RED/BROWN, FINE TO COURSE SAND	2-9-33	0	6" ASPHALT PAVEM'T	0	6" ASPHALT PAVEM'T	0	RED/BROWN FINE TO COURSE SAND 9-21-27
			0.5	RED/BROWN FINE TO MEDIUM TO COURSE SAND	0.5	RED/BROWN FINE TO MEDIUM TO COURSE SAND 4-6-7		
5	DO		5	DO	5	DO	5	
		5-9-7		2-5-4		3-6-5		RED/BROWN FINE TO MEDIUM TO COURSE SAND 2-5-7
10	DO=SAME AS ABOVE		10	DO	10	DO	10	
		5-6-8		6-4-5		RED BROWN FINE TO MEDIUM TO COURSE SAND; FINE TO MED. GRAVEL 2-3-6		4-6-8
15	DO		15	DO	15	DO	15	DO
	END OF BORING=16'-6"	6-9-7		END OF BORING=16'-6" 6-7-6		4-5-7		END OF BORING=16'-6" 5-8-7
20			20		20	DO	20	
						6-7-7		
25			25		25	DO	25	
						END OF BORING=26'-6" 4-6-5		

eastern testing services, inc.

P.O. Box 204, Wallingford, Conn. — Tel. No. 265-1427

SUBSURFACE INVESTIGATIONS

IENT: Curtin, Pessi & Associates
OJECT: Kit Military Vocational Tech. School

Boring No. NB-1
Boring Location: As indicated on drawing B-1
Offset:
Date Start 3/6/76 Finish 3/6/76
Sheet 1 of 1

und Water Observations

ths.	Time lapse
1.5'	1 hr.

rface Elev: 43.5'

	Casing	Sample	Core Barrel
Type	H.S.A.	S.S.	
Size ID.	2-1/2	1-3/8	
Hammer Wt.		140#	Bit
Hammer Fall		30"	

Casing Blows Per/Ft.	SAMPLES No.	Type	DEPTHS From	To	Rec.	Blows on Sampler Per. 0.5'	Coring Time Min./Ft.	CLASSIFICATION OF MATERIALS (F—fine, M—medium, C—coarse; and 35-50%, some 20-35%, little 10-20%, trace 0-10%)	Strata Changes	Depths
								LOAM surface. Dark-brn. Silty SAND, (m.)	1.0'	
	1	ss	1.0	3.0	1.5	3-4-7-8				
	2	ss	3.0	5.0	1.5	6-8-10-12		Red M. F. SAND, trace Gravel, trace Silt, (m.)		5
										10
	3	ss	10.0	12.0	1.5	4-5-6-8			11.0'	
										15
	4	ss	15.0	17.0	1.5	4-6-8-8		Red-brn. C. F. SAND, little Gravel, (w.)		
	5	ss	18.0	20.0	1.0	5-6-7-9			20'	20
								End of Boring 20.0'		25
										30
										35
										40

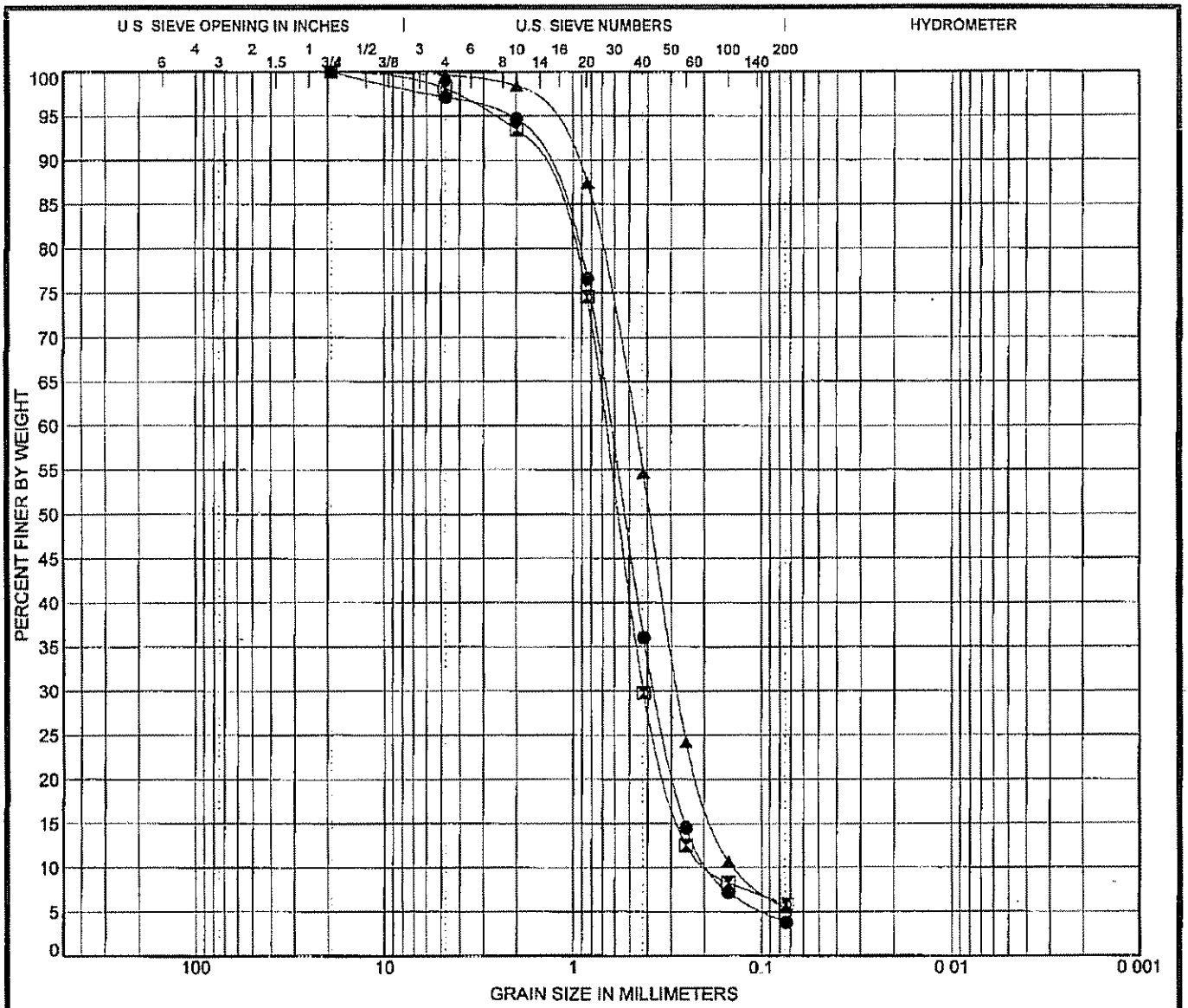
s.s.—split tube sampler
u.—undisturbed shelby
p.—undisturbed piston
o.e.—open end sampler

h.s.a.—hollow stem auger
stan.—standard casing
n.p.—no penetration
n.r.—no recovery
ref.—refusal

w.—wet m.—moist d.—dry
Foreman: G.E.M.
E.T.S. Job No. 13-6
Boring No. NB-1

APPENDIX C

Laboratory Test Results



	COBBLES	% GRAVEL		% SAND			% FINES	
		COARSE	FINE	COARSE	MEDIUM	FINE	% SILT	% CLAY
●		0.0	2.9	2.5	58.6	32.2	3.8	
⊠		0.0	1.9	4.7	63.7	23.9	5.9	
▲		0.0	0.4	1.2	43.8	49.2	5.5	

	Expl. No.	Sample No.	Depth (ft.)	LL	PL	PI	Water Content (%)	Cc	Cu
●	B14	S6	20.0-22.0				19.7	1.15	3.48
⊠	B15	S2	5.0-7.0				7.4	1.45	3.66
▲	B15	S3	10.0-12.0				6.3	1.19	3.46

Sample Description

●	**Red-brown medium to fine SAND**
⊠	**Red-brown medium to fine SAND, trace silt**
▲	**Red-brown medium to fine SAND, trace silt**

Remarks:

HALEY & ALDRICH
East Hartford, Connecticut

Eli Whitney RVTS
Hamden, Connecticut

GRAIN SIZE DISTRIBUTION

Date: 2/16/2006

File No.: 31771-000

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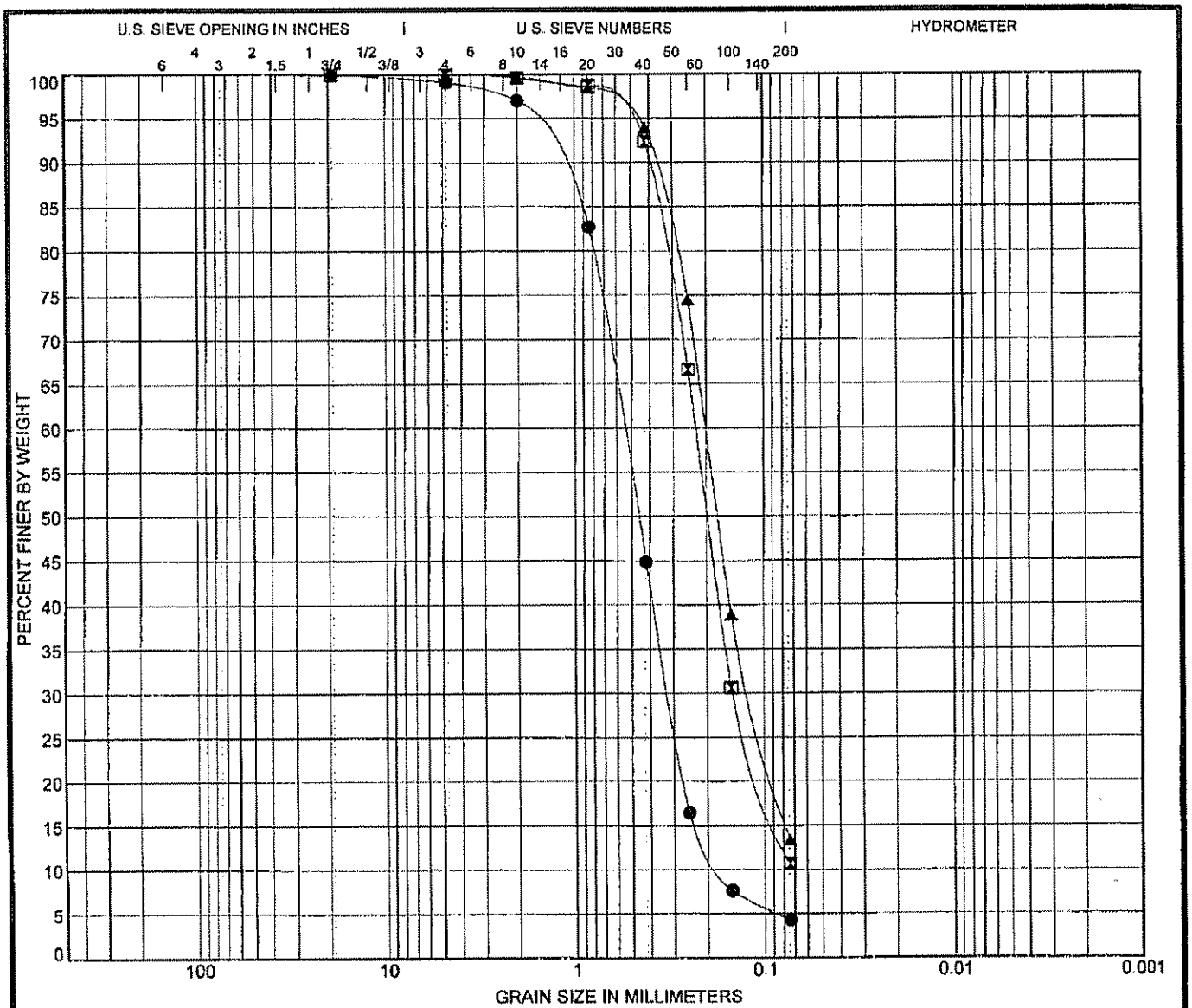

	COBBLES	% GRAVEL		% SAND			% FINES	
		COARSE	FINE	COARSE	MEDIUM	FINE	% SILT	% CLAY
●		0.0	0.9	2.1	52.2	40.5	4.3	
⊠		0.0	0.1	0.3	7.2	81.7	10.7	
▲		0.0	0.0	0.2	5.8	80.6	13.4	

	Expl. No.	Sample No.	Depth (ft.)	LL	PL	PI	Water Content (%)	Cc	Cu
●	B11	S5	15.0-17.0				19.7	1.08	3.24
⊠	B11	S8	30.0-32.0				19.9		
▲	B11	S9	35.0-37.0				10.3		

Sample Description

●	Red-brown medium to fine SAND
⊠	Red-brown fine SAND, little silt, trace medium sand
▲	Red-brown fine SAND, little silt, trace medium sand

Remarks:

HALEY & ALDRICH
East Hartford, Connecticut

Eli Whitney RVTS
Hamden, Connecticut

GRAIN SIZE DISTRIBUTION

Date: 2/16/2006

File No.: 31771-000

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Haley & Aldrich, Inc.
800 Connecticut Blvd
Suite 100
East Hartford, CT 06108-7303

Tel: 860 282 9400
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HaleyAldrich.com

HALEY & ALDRICH

10 March 2008
File No. 31771-002

Antinozzi Associates, PC
271 Fairfield Avenue
Bridgeport, Connecticut 06604

Subject: Additions to Buildings B and C
Eli Whitney Regional Vocational Technical School
Hamden, Connecticut

Ladies and Gentlemen:

This letter provides our foundation recommendations for several building additions not addressed in our geotechnical report dated June 2006. These additions were planned after our geotechnical investigation and report were completed. Our recommendations provided herein are based on data from subsurface explorations made previously for the existing building.

Building C

The addition measures approximately 30 ft by 140 ft in plan dimensions and is located on the north portion of the east side of Building C. The part of the existing building which occupies the south end of the addition area will be demolished to accommodate the new construction. We understand column loads range from approximately 12 to 20 kips.

Soils under the southern approximately 50 ft of the addition consist of up to 10 ft of unsuitable fill overlying natural undisturbed outwash sand. Refer to logs of previous explorations NB-2 through NB-4 and TP-9 for subsurface information in this area. The fill was placed approximately 50 years ago during initial site development. Due to these conditions, the east wall of Building C from the south end up to the portion to be demolished (referenced above) is supported on piles, according to the original drawings.

We recommend the columns under the south portion of the addition, from column lines C-K to C-M, be supported on 15 kip capacity, galvanized helical piles. Two piles should be installed at each column. The piles should consist of 1.75 in. sq. shaft helical piles (type SS175 as manufactured by A.B. Chance or approved equal). The piles should be supported in the outwash sand below the fill. The piles should be designed and installed by a specialty contractor. A load test should be conducted on the first production pile to confirm the design capacity and installation procedure.

North of column line C-M, the building loads should be supported on spread and strip footings bearing on outwash sand at normal depth (with exterior footings at frost depth). Design footings for an allowable bearing pressure of 1.5 tons per sq ft. (tsf) and other criteria provided in our 2006 report. The floor slab for the entire addition should be designed as a soil-supported slab-on-grade in accordance with recommendations in our 2006 report.

Canopy at Building C

A 30 ft wide by 100 ft long canopy is planned for the entrance at the south end of Building C. Twelve columns will support the structure.

Subsurface conditions in this location consist of fill placed for original site grading, overlying outwash sand. We assume the fill to be present over a portion of the canopy footprint based on review of the topographic plan of the site prior to its development. Refer to logs of previous borings TB#8, #11, #13, and No.5 for subsurface information at this part of the site.

We recommend the footings be designed based on a net allowable bearing pressure of 0.75 tsf and other criteria in our June 2006 report.

Addition to Building B

The south end of Building B will be demolished, and an addition approximately 40 ft by 120 ft will be constructed. Except for fill associated with the present construction, soils in this area consist of native outwash sand. Based on review of the original site topography, this area was excavated over 10 ft during the initial building construction. Refer to previous boring No. 11 for subsurface data at this location.

We recommend this addition be supported on spread or strip footings designed based on an allowable bearing pressure of 1.5 tsf and other criteria in our June 2006 report. The floor slab for the addition should be designed as a soil-supported slab-on-grade in accordance with recommendations in our 2006 report.

Sincerely yours,
HALEY & ALDRICH, INC.

John P. Dugan, Jr.

John P. Dugan, Jr., P.E.
Senior Vice President

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REPORT ON
ADDITIONAL SUBSURFACE EXPLORATION DATA
ELI WHITNEY REGIONAL VOCATIONAL
TECHNICAL SCHOOL
HAMDEN, CONNECTICUT

by

Haley & Aldrich, Inc.
East Hartford, Connecticut

for

Antinozzi Associates, PC
Bridgeport, Connecticut

File No. 31771-002
10 March 2008

HALEY & ALDRICH

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HaleyAldrich.com

HALEY& ALDRICH

10 March 2008
File No. 31771-002

Antinozzi Associates, PC
271 Fairfield Avenue
Bridgeport, Connecticut 06604

Subject: Additional Subsurface Exploration Data
Eli Whitney Regional Vocational Technical School
Hamden, Connecticut

Ladies and Gentlemen:

This letter documents additional subsurface exploration data for the project, not contained in our geotechnical engineering report dated June 2006 for the subject project. The data are identified below and logs of the explorations are attached. A plan drawing showing locations of these additional borings, as well as locations of those included in our 2006 report is also included.

Previous Explorations

Borings have been drilled at the site over the past approximately 50 years for design of the original building and its additions. Logs of borings not included in our 2006 report are included in Appendix A.

Recent Explorations

In October 2007, eight test borings (SB-1 through SB-8) were drilled in the southwestern portion of the school property. Logs of these borings are included in Appendix B.

Sincerely yours,
HALEY & ALDRICH, INC.

John P. Dugan, Jr.

John P. Dugan, Jr., P.E.
Senior Vice President

Attachments
Drawing No. G-100 entitled "Test Boring Locations" dated 2/29/08
Appendix A Logs of Previous Explorations
Appendix B Logs of Recent Explorations

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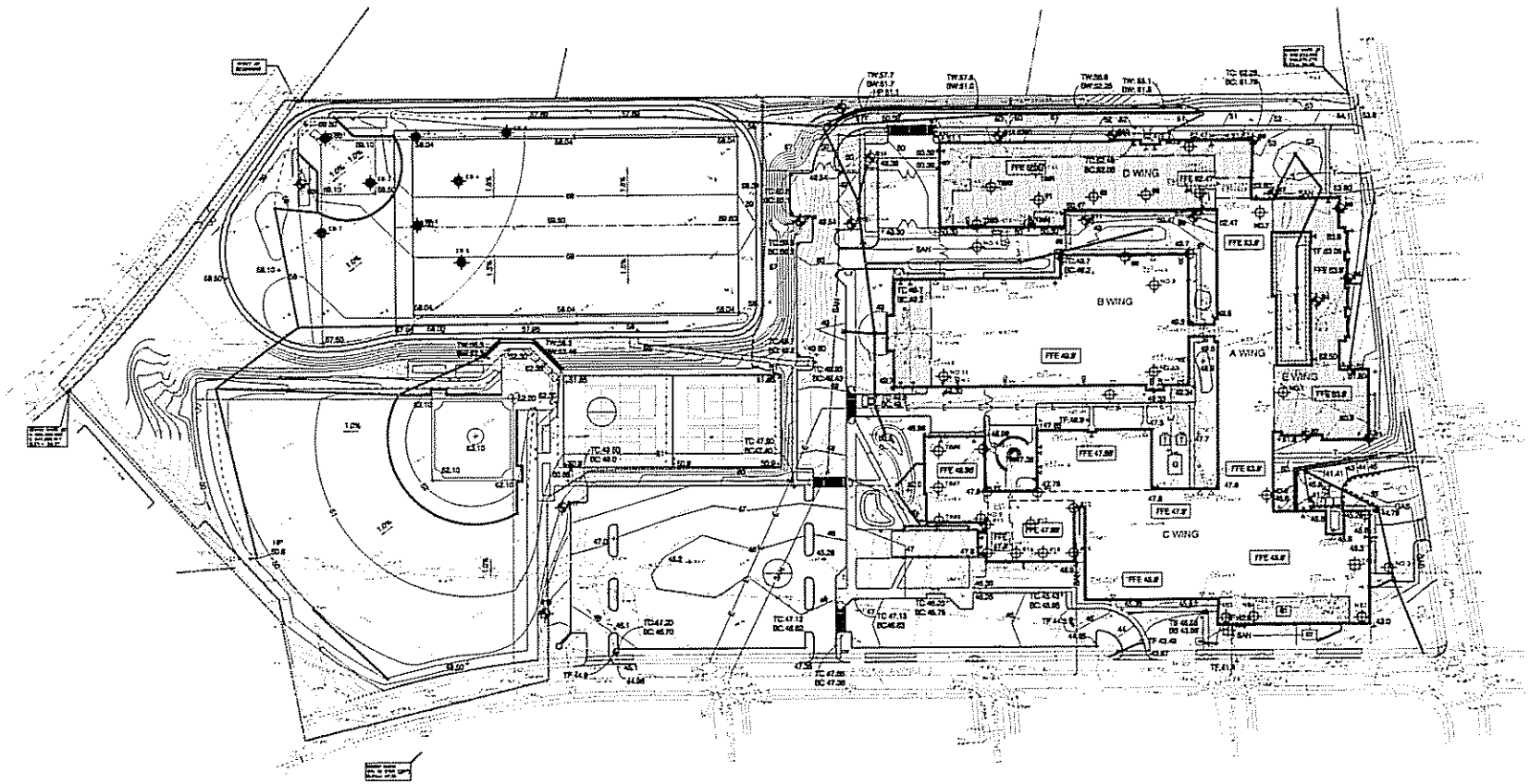


LEGEND

- B-1 — TEST BORING DRILLED BY ENVIRONEERING SERVICES, INC., HARTFORD, CONNECTICUT IN 1954
- B1 — TEST BORING DRILLED BY TEST BORINGS, INC., NORTH HAVEN, CONNECTICUT, ACCORDING TO LOGS ON CONTRACT DRAWINGS DATED JUNE 2, 1969
- TB#1 — TEST BORING DRILLED BY SOILTEST SERVICES, INC., SEYMOUR, CONNECTICUT FEBRUARY 1970
- B-1 — TEST BORING DRILLED BY EASTERN TEST SERVICES, INC., WALLINGFORD, CONNECTICUT IN MARCH 1976
- TP6 — TEST PIT LOCATED IN APPROXIMATELY MARCH 1976
- B1 — APPROXIMATE LOCATION AND DESIGNATION OF TEST BORING DRILLED BY NEW ENGLAND BORING CONTRACTORS OF CT, INC., GLASTONBURY, CONNECTICUT DATED 8 THROUGH 9 FEBRUARY 2006
- EB-1 — APPROXIMATE LOCATION AND DESIGNATION OF TEST BORING DRILLED BY NEW ENGLAND BORING CONTRACTORS OF CT, INC., GLASTONBURY, CONNECTICUT DATED 23 THROUGH 24 OCTOBER 2007

NOTES

1. BASE PLAN IS DRAWING NO. C-4 TITLED "GRADING / DRAINAGE / UTILITIES" DATED 02-01-08

GRAPHIC SCALE

(IN FEET)

TRACING & MASTERS

HALEY & ALDRICH, INC.	TEST BORING LOCATIONS	STATE OF CONNECTICUT
	REVISIONS	ANTINOZZI ASSOCIATES, ARCHITECTS
		ELI WHITNEY CTHSS ADDITIONS AND RENOVATIONS 71 JONES ROAD
		G-100

Appendix A

Logs of Previous Explorations

eastern testing services, inc.

P.O. Box 204, Wallingford, Conn.

Tel. No. 265-1427

NB-2

SUBSURFACE INVESTIGATIONS

AGENT: Gaskin, Ponzi & Associates

PROJECT: Kit Whitney Vocational Tech. School

Boring No. NB-2

Boring Location As indicated on drawing B-1

Ground Water Observations

Depths: 8.0' Time lapse: 1 hr.

Surface Elev. 39.8'

Casing: Type B.W.; Size ID. 2-1/2; Hammer Wt. 140#; Hammer Fall 30"

Sample: Type B.W.; Size ID. 1-3/8

Core Barrel

Offset

Date Start 3/6/76 Finish 3/6/76

Sheet 1 of 1

Casing Blows Per/Ft.	No.	Type	Depths From	Depths To	Rec.	Blows on Sampler Per 0.5'	Casing Time Min./Ft.	Strata Changes	Depths
	1	ss	1.0	3.0	1.5	5-10-10-10			
	2	ss	3.0	5.0	1.5	13-13-16-16			5
	3	ss	10.0	12.0	1.0	6-5-8-6			10
	4	ss	15.0	17.0	1.0	5-7-7-8			15
	5	ss	18.0	20.0	1.0	6-6-7-9			20

CLASSIFICATION OF MATERIALS

F—fine; M—medium; C—coarse

and 35-50%; some 20-35%; little 10-20%; trace 0-10%

LOAM surface

Red-brn. M. F. SAND, trace Gravel, trace Silt, (m.) — 7.0'

Red C. F. SAND, little M. F. Gravel, (w.)

End of Boring 20.0'

s.s.—split tube sampler; u.—undisturbed shelby; p.—undisturbed piston; o.s.—open end sampler

h.s.a.—hollow stem auger; stan.—standard casing; n.p.—no penetration; n.r.—no recovery; ref.—refusal

w.—wet; m.—moist; d.—dry

Foreman H.W.M.

C.T.S. Job No. N3-6

Boring No. NB-2

NB-3

eastern testing services, inc.

P.O. Box 204, Wallingford, Conn.

Tel. No. 265-1427

SUBSURFACE INVESTIGATIONS

AGENT: Gaskin, Ponzi & Associates

PROJECT: Kit Whitney Vocational Tech. School

Boring No. NB-3

Boring Location As indicated on drawing B-1

Ground Water Observations

Depths: 9.5' Time lapse: 1 hr.

Surface Elev. 43.8'

Casing: Type B.W.; Size ID. 2-1/2; Hammer Wt. 140#; Hammer Fall 30"

Sample: Type B.W.; Size ID. 1-3/8

Core Barrel

Offset

Date Start 3/6/76 Finish 3/6/76

Sheet 1 of 1

Depths	Casing Blows Per/Ft.	No.	Type	Depths From	Depths To	Rec.	Blows on Sampler Per 0.5'	Casing Time Min./Ft.	Strata Changes	Depths
		1	ss	1.0	3.0	1.0	10-20-5-5		2.0	
5		2	ss	3.0	5.0	1.5	4-3-3-4			5
									9.0	
10		3	ss	10.0	12.0	1.5	6-7-9-13			10
15		4	ss	15.0	17.0	1.0	9-10-13-15			15
19		5	ss	18.0	20.0	1.5	8-9-12-13		20'	20
25										25
30										30
35										35
										40

CLASSIFICATION OF MATERIALS

F—fine; M—medium; C—coarse

and 35-50%; some 20-35%; little 10-20%; trace 0-10%

LOAM surface

Brn. Silty SAND, (m.) — 2.0

Red-brn. Silty M. F. SAND, (m.)

This could possible be fill since the material was loose to 9.0'.

Red-brn. C. F. SAND, trace M. F. Gravel, (w.)

End of Boring 20.0'

s.s.—split tube sampler; u.—undisturbed shelby; p.—undisturbed piston; o.s.—open end sampler

h.s.a.—hollow stem auger; stan.—standard casing; n.p.—no penetration; n.r.—no recovery; ref.—refusal

w.—wet; m.—moist; d.—dry

Foreman H.W.M.

C.T.S. Job No. N3-6

Boring No. NB-3

eastern testing services, inc.

P.O. Box 204, Wallingford, Conn.

Tel. No. 265-1427

SUBSURFACE INVESTIGATIONS

NB-4

CLIENT: Curtis, Pucci & Associates

PROJECT: Kit Whitney Vocational Tech. School

Boring No. NB-4

Boring Location: As indicated on drawing B-1

Offset:

Ground Water Observations

Depths	Time Lapse
8.5'	1 hr.

Surface Elev: 42.3'

	Casing	Sample	Core Barrel
Type	H.S.A.	H.S.	
Size I.D.	2-1/2"	1 1/8"	
Hammer Wt.		140#	ER
Hammer Fall		30"	

Date Start 3/8/76 Finish 3/6/76

Sheet 1 of 1

Depths	Casing Blows Per Ft.	No.	Type	Depths From	Depths To	Rec.	Blows on Sampler Per 0.5'	Coring Time Min./Ft.	CLASSIFICATION OF MATERIALS (F—fine, M—medium, C—coarse; sand ... 35-50%, some ... 20-35%, little ... 10-20%, trace ... 0-10%)	Strata Changes	Depths
		1	ss	1.0	3.0	1.5	6-6-6-7		Meadow surface, graded stone fill	0.5'	
									Red. SILTY SAND, (M.)	2.0'	
5		2	ss	5.0	5.5	1.5	6-7-8-10		Red-brn. M. F. SAND, trace F. Gravel, trace Silt, (m.)	7.5'	5
10		3	ss	10.0	12.0	1.5	4-5-7-9		Red C. F. SAND, little M. F. Gravel, (w.)		10
15		4	ss	15.0	17.0	1.5	8-18-11-11				15
20		5	ss	18.0	20.0	1.5	8-9-10-12			20'	20
									End of Boring 20.0'		
25											25
30											30
35											35
											40

s.s.—split tube sampler
u.—undisturbed shelby
p.—undisturbed piston
o.e.—open end sampler

h.s.a.—hollow stem auger
stan.—standard casing
s.p.—no penetration
n.r.—no recovery
ret.—retest

w.—wet m.—moist d.—dry

Foreman O.E.N.

E.T.S. Job No. N3-6

Boring No. NB-4

TEST PIT DATA

TP1

7" Loam
2'-5' Red Sand
Rubble

TP2

10" Loam
Red Sand
Small Gravel

TP3

9" Loam
2'-6Med. Red Sand
5'-9Fine Red Sand
9'-Med. Red Sand

TP4

6" Loam
6" To Rubble

TP5

7" Loam
9' Med. Fine Red Sand

TP6

(OMITTED)

TP7

4" Loam
Red Sand
Rubble at 3-4'-6

TP8

5" Loam
Red Sand
To 9'

TP9

5" Loam
Red Sand
5'-5'-6 Rubble
7' Cinders to 9'-6

TP10

6" Loam
Red Sand
To 9'

TP'A'

Rubble
at 2'

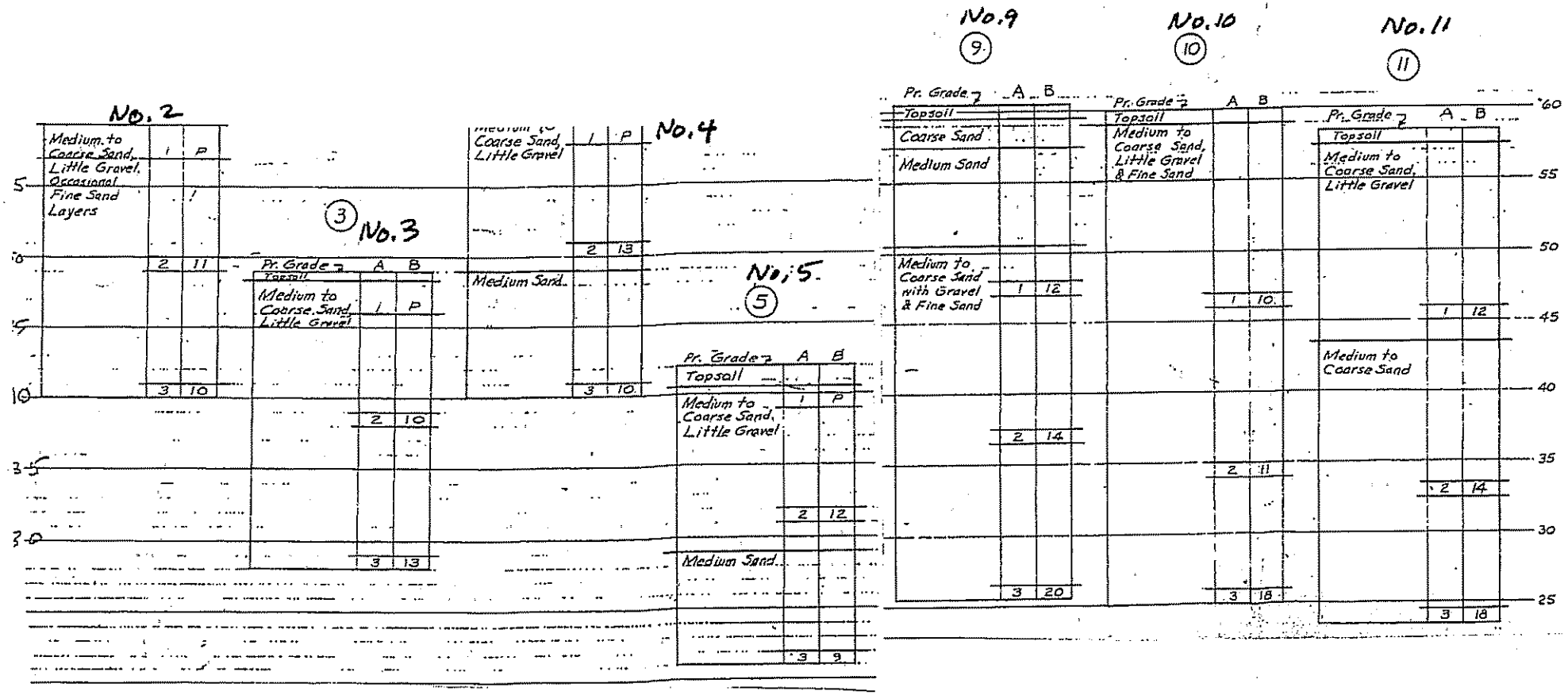
TP 'B'

Loam
Red Sand
To 6'-6

TP'C'

7" Loam
3' Red Sand
3' Rubble

* THIS INFORMATION RECORDED BY THE ARCHITECTS ON 24 MARCH, 1976 DURING ACTUAL DIGGING OF THESE TEST PITS.,


No. 2
Medium to Coarse Sand, Little Gravel, Occasional Fine Sand Layers
1 P
2 11
3 10
No. 3
3
Pr. Grade
A B
Topsoil
Medium to Coarse Sand, Little Gravel
1 P
2 10
3 13
Medium to Coarse Sand, Little Gravel
1 P
2 13
Medium Sand
3 10
No. 4
No. 5
5
Pr. Grade
A B
Topsoil
Medium to Coarse Sand, Little Gravel
1 P
2 12
Medium Sand
3 9
No. 9
9
Pr. Grade
A B
Topsoil
Coarse Sand
Medium Sand
Medium to Coarse Sand with Gravel & Fine Sand
1 12
2 14
3 20
No. 10
10
Pr. Grade
A B
Topsoil
Medium to Coarse Sand, Little Gravel & Fine Sand
1 10
2 11
3 18
No. 11
11
Pr. Grade
A B
Topsoil
Medium to Coarse Sand, Little Gravel
1 12
Medium to Coarse Sand
2 14
3 18
60
55
50
45
40
35
30
25

BORING #11

GRND. ELEV. 45.732
GRND. WATER 14'8

A		B
	1" BLACKTOP	
5	RED BROWN COARSE TO FINE SAND, TRACE OF COARSE TO FINE GRAVEL	4-4-6
10	RED BROWN MEDIUM TO FINE SAND	3-3-6
15	RED BROWN COARSE TO FINE SAND, LITTLE FINE GRAVEL	5-3-6
20	RED BROWN MEDIUM TO FINE SAND, TRACE OF SILT	6-7-7
25	SAME AS ABOVE	6-8-7
30	SAME AS ABOVE	7-8-8
	BOTTOM OF BORING: 31'-6"	

BORING #12

GRND. ELEV. 45.49
GRND. WATER 14'8

A		B
	1" BLACKTOP 2" TRAPROCK	
5	RED BROWN MEDIUM TO FINE SAND, LITTLE FINE GRAVEL	3-5-6
10	RED BROWN MEDIUM TO FINE SAND, TRACE OF FINE GRAVEL.	5-7-10
15	RED BROWN COARSE TO FINE SAND LITTLE MEDIUM TO FINE GRAVEL	4-6-6
20	RED BROWN COARSE TO FINE SAND, TRACE OF FINE GRAVEL.	5-5-5
25	RED BROWN COARSE TO FINE SAND, TRACE OF SILT	5-6-5
30	RED BROWN COARSE TO FINE SAND, LITTLE FINE GRAVEL.	6-6-7
35	SAME AS ABOVE	7-9-8
40	RED BROWN COARSE TO FINE SAND, TRACE OF FINE GRAVEL.	8-8-7
	BOTTOM OF BORING: 41'-6"	

BORING #13

GRND. ELEV. 45.26
GRND. WATER 13'3

A		B
	1" BLACKTOP	
5	RED BROWN MEDIUM TO FINE SAND AND MEDIUM TO FINE GRAVEL TRACE OF SILT	12-14-17
10	RED BROWN FINE SAND, SOME ORGANIC LOAM, PIECES OF WOOD.	2-3-3
15	RED BROWN COARSE TO FINE SAND, TRACE OF SILT.	8-9-9
20	RED BROWN COARSE TO FINE SAND, TRACE OF MEDIUM TO FINE GRAVEL, TRACE OF SILT.	4-4-9
25	RED BROWN COARSE TO FINE SAND, TRACE OF FINE GRAVEL, TRACE OF SILT	4-4-7
30	RED BROWN COARSE TO FINE SAND, TRACE OF FINE GRAVEL	4-5-7
35	SAME AS ABOVE	5-6-8
	BOTTOM OF BORING: 36'-6"	

BORING #14

GRND. ELEV. 43.54
GRND. WATER 14'4

A		B
	1" BLACKTOP 1" TRAPROCK	
5	RED BROWN COARSE TO FINE SAND, SOME MEDIUM TO FINE GRAVEL, TRACE OF SILT	11-12-16
10	RED BROWN COARSE TO FINE SAND, TRACE OF MEDIUM TO FINE GRAVEL, TRACE OF MICA.	2-3-7
15	RED BROWN COARSE TO FINE SAND, TRACE OF FINE GRAVEL	8-12-11
20	RED BROWN COARSE TO FINE SAND	4-5-5
25	RED BROWN COARSE TO FINE SAND, TRACE OF SILT.	6-6-5
30	SAME AS ABOVE	6-5-6
	BOTTOM OF BORING: 31'-6"	

BORING #15

GRND. ELEV. 43.00
GRND. WATER 13'11

A		B
	1" BLACKTOP 2" TRAPROCK	
5	RED BROWN COARSE TO FINE SAND, LITTLE MEDIUM TO FINE GRAVEL	5-5-4
10	RED BROWN COARSE TO SAND, TRACE OF FINE GRAVEL, TRACE OF SILT.	8-4-8
15	RED BROWN COARSE TO FINE SAND, LITTLE MEDIUM TO FINE GRAVEL, TRACE OF SILT.	5-5-5
20	RED BROWN COARSE TO FINE SAND, TRACE OF FINE GRAVEL.	4-5-6
25	SAME AS ABOVE	5-6-6
30	SAME AS ABOVE	6-6-6
	BOTTOM OF BORING: 31'-6"	

BORING #16

GRND. ELEV. 43.06
GRND. WATER 14'1

A		B
	1" BLACKTOP 2" TRAPROCK	
5	RED BROWN MEDIUM TO FINE SAND, LITTLE MEDIUM TO FINE GRAVEL	4-5-7
10	SAME AS ABOVE	3-4-8
15	RED BROWN MEDIUM TO FINE SAND, TRACE OF FINE GRAVEL.	3-5-5
20	SAME AS ABOVE	5-5-6
25	RED BROWN COARSE TO TO FINE SAND, TRACE OF FINE GRAVEL.	6-5-6
30	SAME AS ABOVE	7-6-8
35	RED BROWN COARSE TO FINE SAND, TRACE OF SILT.	7-8-9
40	SAME AS ABOVE	8-9-8
45	SAME AS ABOVE	9-10-12
50	SAME AS ABOVE	11-12-11
	BOTTOM OF BORING: 51'-6"	

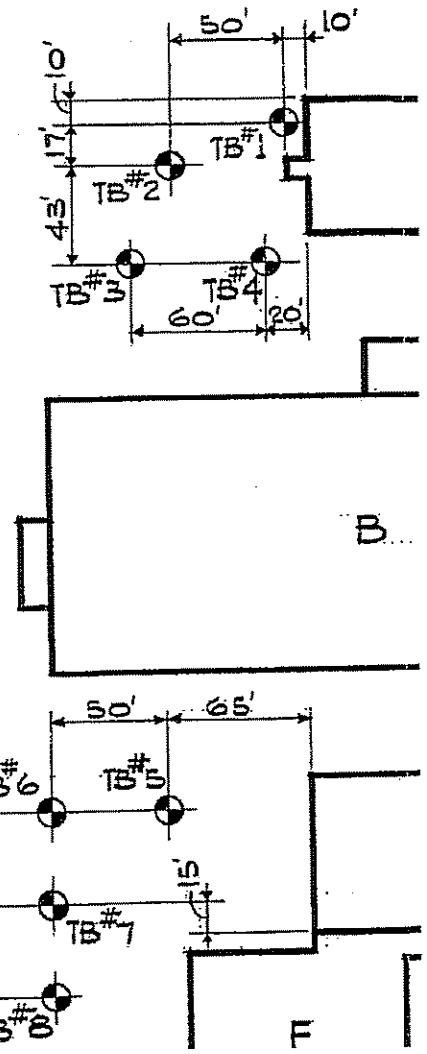
T.B.#5			T.B.#6			T.B.#7			T.B.#8		
=45.1' = DRY @ 0-HOURS			=45.8' = DRY @ 0-HOURS			=44.7' =14.5' @ 0-HOURS			=44.3' = DRY @ 0-HOURS		
A		B	A		B	A		B	A		B
0	6" ASPHALT PAVEM'T		0	6" ASPHALT PAVEM'T		0	6" ASPHALT PAVEM'T		0	6" ASPHALT PAVEM'NT	
0.5	RED/BROWN FINE TO MEDIUM TO COURSE SAND; TRACE OF FINE GRAVEL	3-4-5	0.5	RED/BROWN FINE TO COURSE SAND; FINE GRAVEL	4-3-5	0.5	RED/BROWN FINE TO COURSE SAND; FINE TO MEDIUM GRAVEL	4-4-6	0.5	RED/BROWN FINE TO COURSE SAND; TRACE OF FINE GRAVEL	3-3-4
5			5			5			5		
	DO	4-3-6		DO	3-4-6		DO	3-5-4		DO	3-5-3
10			10			10			10		
	DO	5-6-6		DO	6-5-3		DO	4-5-7		DO	4-6-5
15			15			15			15		
	END OF BORING = 16'-6"	6-3-4		END OF BORING = 16'-6"	4-6-3		DO	4-6-6		END OF BORING 16'-6"	3-6-4
20			20			20			20		
							DO 23'	3-5-3			
25			25			25	RED/BROWN FINE TO MEDIUM TO COURSE SAND		25		
							END OF BORING 26'-6"	5-3-4			
30			30			30			30		

ED, OR OBTAINED
NTEED TO BE
HITECT OR ANY
RS

ATE OF CONNECTICUT

NOTE

1. COLUMN A - DEPTH OF BORE
2. COLUMN B - SAMPLER BLOWS PER 6" (6-12-18)
3. HSA (CASING) - SS (SAMPLER)
4. HAMMER WEIGHT - 140#



Appendix B

Logs of Recent Explorations

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-1

Project: Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client: Antinozzi Associates, PC
Contractor: New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 2
Start: October 24, 2007
Finish: October 24, 2007
Driller: T. Roe
H&A Rep: S. Brousseau
Elevation: 58.5
Datum:
Location: See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head Drill Mud: None
Hammer Weight (lb)	-	140	-	Casing: Spun
Hammer Fall (in.)	-	30	-	Hoist/Hammer: Winch Safety Hammer PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0				58.2 / 0.3		-BITUMINOUS CONCRETE-
	10 14 12 11	S1 10	0.5 2.5		SP-SM	Medium dense red-brown SAND, trace silt and gravel
	9 12 14 14	S2 14	2.5 4.5			Similar to S1
5	5 4 4 5	S3 20	5.0 7.0		SP	Loose red-brown SAND, trace silt and fine gravel
	5 7 7 8	S4 18	7.0 9.0			Similar to S3, except medium dense
10	2 3 3 3	S5 14	10.0 12.0		SP	Loose red-brown medium to fine SAND, trace silt, coarse sand and fine gravel
	3 4 5 4	S6 14	12.0 14.0			Similar to S5
15	1 3 4 5	S7 8	15.0 17.0			Similar to S6
	4 3 5 8	S8 2	17.0 19.0			Gravel fragment lodged in spoon tip
				39.5 / 19.0		Note: Drill action indicates change at 19.0 ft -FILL-
20						

Water Level Data

Date	Time	Elapsed Time (hr)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/24/07	1430	0	25.0	29.0	28.0

Sample ID: O - Open End Rod; T - Thin Wall Tube; U - Undisturbed Sample; S - Split Spoon Sample

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary

Overburden (ft)	29.0
Rock Cored (ft)	-
Samples	12S
Boring No.	SB-1

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 H&R HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-1
File No. 31771-001
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
20	8 5 4 4	S9 14	20.0 22.0		SP	Loose brown SAND, trace silt and gravel, with common fragments and particles of asphalt and ash*
	7 5 6 6	S10 18	22.0 24.0			Similar to S9, except medium dense -FILL-
				35.5 23.0	SP	Medium dense red-brown SAND, trace silt and fine gravel
25	3 6 6 7	S11 8	25.0 27.0		SP	Medium dense red-brown medium to fine SAND, trace silt, coarse sand and fine gravel
	6 6 8 10	S12 20	27.0 29.0		SP-SM	Medium dense red-brown to gray-brown SAND, trace silt, moist
				30.5 28.0	SM	Medium dense red-brown silty fine SAND, wet
				29.5 29.0		-OUTWASH DEPOSITS-

Bottom of exploration at 29.0 ft

Note: Borehole backfilled with drill cuttings upon completion and asphalt patch applied at surface

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. SB-1

H&A-TEST BORING-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-2

Project: Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client: Antinozzi Associates, PC
Contractor: New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 2
Start: October 24, 2007
Finish: October 24, 2007
Driller: T. Roe
H&A Rep.: S. Brousseau
Elevation: 58.5
Datum:
Location: See Plan

	Casing	Sampler	Barrel
Type	HSA	S	-
Inside Diameter (in.)	3 1/4	1 3/8	-
Hammer Weight (lb)	-	140	-
Hammer Fall (in.)	-	30	-

Drilling Equipment and Procedures:
Rig Make & Model: Truck-mounted Mobile Drill B-53
Bit Type: Cutting Head
Drill Mud: None
Casing: Spun
Hoist/Hammer: Winch Safety Hammer
PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0	2 4 8 10	S1 18	0.0 2.0	57.9 0.6		-TOPSOIL-
					SP-SM	Medium dense brown medium to fine SAND, little silt, trace coarse sand and fine gravel
	11 11 12 17	S2 20	2.0 4.0			Similar to S1
5	19 10 10 13	S3 16	5.0 7.0		SP-SM	Medium dense red-brown SAND, trace silt
	12 13 14 14	S4 20	7.0 9.0			Similar to S3, except trace gravel
				49.5 9.0		Note: Drill action indicates change at 9.0 ft
10	1 3 3 2	S5 15	10.0 12.0		SP-SM	Loose red-brown SAND, trace silt and fine gravel
	2 3 2 4	S6 16	12.0 14.0		SP-SM	Loose red-brown medium to fine SAND, trace silt
15	1 2 2 2	S7 16	15.0 17.0		SP-SM	Loose red-brown medium to fine SAND, trace silt, coarse sand and fine gravel
	2 2 3 3	S8 18	17.0 19.0			Similar to S7
20						-FILL-

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/24/07	1130	0	25.0	29.0	28.0

Sample ID:
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram: Riser Pipe, Screen, Filter Sand, Cuttings, Grout, Concrete, Bentonite Seal

Summary

Overburden (ft)	32.0
Rock Cored (ft)	-
Samples	13S
Boring No.	SB-2

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-2
File No 31771-001
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
20	2 3 3 5	S9 14	20.0 22.0			Similar to S8
	3 5 5 7	S10 16	22.0 24.0			Similar to S9
25	13 11 7 7	S11 20	25.0 27.0		SP-SM	Medium dense red-brown SAND, trace silt and gravel
	7 7 9 18	S12 20	27.0 29.0			Similar to S12
				30.5		-FILL-
				28.0	ML	Medium dense gray-brown fine sandy SILT with few organics, wet
				30.3	SP	Medium dense gray SAND, trace silt, wet
				28.2		
30	13 15 12 13	S13 18	30.0 32.0		SP	Medium dense brown to gray-brown SAND, trace silt, wet
				26.5		-OUTWASH DEPOSITS-
				32.0		Bottom of exploration at 32.0 ft

Note: Borehole backfilled with drill cuttings upon completion

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. SB-2

H&A-TEST BORING-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-3

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 2
Start October 23, 2007
Finish October 23, 2007
Driller T. Roe
H&A Rep. J. Charter
Elevation 59.0
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head
Hammer Weight (lb)	-	140	-	Drill Mud: None
Hammer Fall (in.)	-	30	-	Casing: Spun
				Hoist/Hammer: Winch Safety Hammer
				PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0	4 6 12 19	S1 20	0.0 2.0	58.0 1.0		-TOPSOIL-
					SP-SM	Dense red-brown coarse to fine SAND, little medium to fine gravel, little silt, no odor, dry
	15 14 13 18	S2 21	2.0 4.0			Similar to S1 (below 1.0 ft)
5	10 9 11 10	S3 19	4.0 6.0		SP-SM	Dense red-brown coarse to fine SAND, little silt, trace medium to fine gravel, no odor, dry
	11 12 11 12	S4 21	6.0 8.0			Similar to S3
	7 8 8 8	S5 17	8.0 10.0			Similar to S4
10	8 11 9 8	S6 20	10.0 12.0			Similar to S5, except moist
	9 12 19 23	S7 4	12.0 14.0	46.0 13.0		Similar to S6
						Note: Drill action suggest change at 13.0 ft to denser material
15	8 5 6 5	S8 17	14.0 16.0			Similar to S7, except medium dense
	4 4 4 4	S9 19	16.0 18.0			Similar to S8, except loose
	3 3 4 3	S10 15	18.0 20.0			Similar to S9
20						-REWORKED NATURAL SOIL/FILL-

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
		Not Encountered			

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.3
Rock Cored (ft)	-
Samples	13S

Boring No. SB-3

Field Tests: Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 H&R HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-0017B G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-3
File No. 31771-001
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
20	3 3 3 3	S11 16	20.0 22.0			Similar to S10, except brown to red-brown
	6 8 100/6	S12 14	22.0 23.5		SP-SM	Red-brown coarse to fine SAND, little silt, trace medium to fine gravel, no odor, moist Note: Spoon refusal at 23.5 ft on probable cobble
25	1 1 100/3	S13 5	25.0 26.3			Similar to S12, except cobbly material
				32.7 26.3		-REWORKED NATURAL SOIL/FILL- Bottom of exploration at 26.3 ft Note: Borehole backfilled with drill cuttings upon completion

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. SB-3

H&A-TEST BORING-07-1 HAR HA-LB07-R1.GLB HA-TB+CORE+WELL-97-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-4

Project Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client Antinozzi Associates, PC
Contractor New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 1
Start October 23, 2007
Finish October 23, 2007
Driller T. Roe
H&A Rep. J. Charter
Elevation 59.0
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head
Hammer Weight (lb)	-	140	-	Drill Mud: None
Hammer Fall (in.)	-	30	-	Casing: Spun
				Hoist/Hammer: Winch Safety Hammer
				PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0				58.5		-TOPSOIL-
	2 4 9 50/1	S1 12	0.0 1.6	0.5	SP-SM	Brown to red-brown coarse to fine SAND, little coarse to fine gravel, little silt, no odor, dry Note: Spoon refusal at 1.6 on probable cobble
	2 18 18 19	S2 14	2.0 4.0		SP-SM	Very dense red-brown coarse to fine SAND, little coarse to fine gravel, little silt, no odor, dry
				55.0		-FILL-
	8 12 13 15	S3 17	4.0 6.0	4.0		Similar to S2, except dense
5	13 14 14 16	S4 18	6.0 8.0			Similar to S3, except some stratification
	12 14 17 15	S5 16	8.0 10.0		SP-SM	Very dense red-brown coarse to fine SAND, little silt, trace medium to fine gravel, stratified, no odor, dry
10	8 13 14 13	S6 15	10.0 12.0			Similar to S5, except dense
	13 14 16 17	S7 18	12.0 14.0			Similar to S6
				45.0		-OUTWASH DEPOSITS-
				14.0		Bottom of exploration at 14.0 ft
						Note: Borehole backfilled with drill cuttings upon completion

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
		Not Encountered			

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 14.0
Rock Cored (ft) -
Samples 7S
Boring No. SB-4

Field Tests: Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HAR H&A-LB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-5

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc

File No. 31771-001
Sheet No. 1 of 1
Start October 23, 2007
Finish October 23, 2007
Driller T Roe
H&A Rep. J. Charter
Elevation 59.0
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head
Hammer Weight (lb)	-	140	-	Drill Mud: None
Hammer Fall (in.)	-	30	-	Casing: Spun
				Hoist/Hammer: Winch Safety Hammer
				PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0				58.5		-TOPSOIL-
	1 3 10 19	S1 18	0.0 2.0	0.5	SP-SM	Medium dense red-brown coarse to fine SAND, little medium to fine gravel, little silt, no odor, dry
	17 20 20 18	S2 20	2.0 4.0		SP-SM	Very dense red-brown coarse to fine SAND, little silt, trace medium to fine gravel, no odor, dry
				55.0		-FILL-
	15 18 17 17	S3 18	4.0 6.0	4.0		Similar to S2, except stratified
5	17 18 22 23	S4 20	6.0 8.0			Similar to S3
	15 19 23 31	S5 19	8.0 10.0			Similar to S4
10	27 35 38 32	S6 22	10.0 12.0			Similar to S5
	20 21 23 26	S7 20	12.0 14.0			Similar to S6
				46.0 13.0	SM	Very dense dark brown coarse to fine SAND, some silt, trace coarse to fine gravel, no odor, moist
				45.0 14.0		-OUTWASH DEPOSITS-

Bottom of exploration at 14.0 ft

Note: Borehole backfilled with drill cuttings upon completion

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
		Not Encountered			

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary	
Overburden (ft)	14.0
Rock Cored (ft)	-
Samples	7S
Boring No.	SB-5

Field Tests: Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HAA-TEST BORING-07-1 HAR HA-LB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-6

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc.

File No.	31771-001
Sheet No.	1 of 1
Start	October 24, 2007
Finish	October 24, 2007
Driller	T. Roe
H&A Rep.	S. Brousseau
Elevation Datum	59.5
Location	See Plan

	Casing	Sampler	Barrel
Type	HSA	S	-
Inside Diameter (in.)	3 1/4	1 3/8	-
Hammer Weight (lb)	-	140	-
Hammer Fall (in.)	-	30	-

Drilling Equipment and Procedures

Rig Make & Model: Truck-mounted Mobile Drill B-53
Bit Type: Cutting Head
Drill Mud: None
Casing: Spun
Hoist/Hammer: Winch Safety Hammer
PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0	1 4 10 22	S1 22	0.0 2.0	58.7 0.8		-TOPSOIL-
					SM	medium dense red-brown SAND little silt, trace fine gravel
				57.5 2.0		-FILL-
	22 21 21 25	S2 20	2.0 4.0		SP-SM	Dense red-brown SAND, trace silt and fine gravel
5	9 15 18 19	S3 18	5.0 7.0		SP-SM	Dense reb-brown medium to fine SAND, trace silt, coarse sand and fine gravel
	17 19 24 26	S4 18	7.0 9.0		SP-SM	Dense red-brown medium to fine SAND. trace silt and coarse and
10	20 22 20 19	S5 19	10.0 12.0		SP-SM	Dense red-brown SAND, trace silt and fine gravel
	16 22 24 24	S6 20	12.0 14.0			Similar to S5
				45.5 14.0		-OUTWASH DEPOSITS-
						Bottom of exploration at 14.0 ft

Note: Borehole backfilled with drill cuttings upon completion

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
		Not Encountered			

Sample ID

O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram

Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	14.0
Rock Cored (ft)	-
Samples	6S
Boring No.	SB-6

Field Tests: Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-H&A 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-7

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 2
Start October 23, 2007
Finish October 24, 2007
Driller T. Roe
H&A Rep. J. Charter/S. Brousseau
Elevation 59.0
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head
Hammer Weight (lb)	-	140	-	Drill Mud: None
Hammer Fall (in.)	-	30	-	Casing: Spun
				Hoist/Hammer: Winch Safety Hammer
				PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0	2 3 6 7	S1 16	0.0 2.0	58.5 0.5		-TOPSOIL-
					SM	Loose brown to red-brown coarse to fine SAND, some silt, trace medium to fine gravel, no odor, dry
	6 6 5 5	S2 17	2.0 4.0		SP-SM	Medium dense brown to red-brown coarse to fine SANd, little silt, trace medium to fine gravel, no odor, dry
5	7 6 5 5	S3 22	4.0 6.0			Similar to S2, except red-brown
	6 9 7 5	S4 16	6.0 8.0			Similar to S3
	4 4 4 5	S5 17	8.0 10.0		SP-SM	Loose red-brown coarse to fine SAND, little silt, trace medium to fine gravel, no odor, dry
10	4 3 2 2	S6 18	10.0 12.0			Similar to S5, except with wood fragment
	2 2 2 1	S7 12	12.0 14.0			Similar to S6
15	1 1 5 5	S8 8	14.0 16.0			Similar to S7, except wood fragments in bottom half of sample
	6 100/6	S9 1	16.0 18.0			Concrete fragment
20	2 1 1 4	S10 10	18.0 20.0			Cinder material mixed with concrete and wood fragments
						-FILL-

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/23/07	0900	0	28.0	30.0	29.0

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 38.0
Rock Cored (ft) -
Samples 19S
Boring No. SB-7

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.
Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-7
File No. 31771-001
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
20	2 3 2 4	S11 14	20.0 22.0		SM	Loose dark brown to black silty SAND, little gravel with numerous fragments and particles of wood, glass and cinders
	2 5 6 7	S12 2	22.0 24.0			Glass and wood fragments
25	14 9 6 4	S13 10	24.0 26.0		SM	Medium dense red-brown SAND, little silt, trace gravel, with common fragments of concrete and asphalt
	5 4 4 6	S14 8	26.0 28.0			Similar to S13, except loose
				31.0 28.0		-FILL-
	5 5 4 4	S15 16	28.0 30.0		SP-SM	Loose red-brown SAND, trace silt, wet bottom half of sample
30	1 2 3 4	S16 16	30.0 32.0		SP	Loose red-brown SAND, trace silt, wet
				27.0 32.0		
	4 5 5 5	S17 12	32.0 34.0		SM	Loose red-brown SAND, little silt, wet
				25.0 34.0		
35	1 2 3 4	S18 12	34.0 36.0		SM	Loose red-brown medium to fine SAND, little silt, wet
	2 3 3 4	S19 12	36.0 38.0			Similar to S18
				21.0 38.0		-OUTWASH DEPOSITS-
						Bottom of exploration at 38.0 ft
						Note: Borehole backfilled with drill cuttings upon completion

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. SB-7

H&A-TEST BORING-07-1 HAR HA-UB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-8

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 1
Start October 23, 2007
Finish October 23, 2007
Driller T Roe
H&A Rep. J. Charter
Elevation 59.0
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head Drill Mud: None
Hammer Weight (lb)	-	140	-	Casing: Spun
Hammer Fall (in.)	-	30	-	Hoist/Hammer: Winch Safety Hammer PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0				58.5		-TOPSOIL-
	2 4 11 22	S1 16	0.0 2.0	0.5	SM	Medium dense brown to red-brown coarse to fine SAND, some silt, little coarse to fine gravel, no odor, dry
	17 20 20 21	S2 17	2.0 4.0		SP-SM	Very dense red-brown coarse to fine SAND, little coarse to fine gravel, little silt, stratified, no odor, dry
5	13 13 17 17	S3 16	4.0 6.0			Similar to S2, except trace medium to fine gravel
	15 17 19 17	S4 16	6.0 8.0			Similar to S3
	11 16 21 19	S5 15	8.0 10.0			Similar to S4
10	17 16 16 16	S6 18	10.0 12.0			Similar to S5, except moist
	17 21 18 14	S7 19	12.0 14.0			Similar to S6
				45.0 14.0		-OUTWASH DEPOSITS-
						Bottom of exploration at 14.0 ft
						Note: Borehole backfilled with drill cuttings upon completion

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
		Not Encountered			

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	14.0
Rock Cored (ft)	-
Samples	7S
Boring No.	SB-8

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HAR HA-LJ007-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B20

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 2
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 55.6
DATUM NAVD88
START February 6, 2006
FINISH February 6, 2006
DRILLER J. Levitt
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0		1	S1	0.0	55.5	Loose brown medium to fine SAND, little silt, trace
		3	20	2.0	0.1	fine gravel
		4				-TOPSOIL-
		8				
		7	S2	2.0		Medium dense brown coarse to fine SAND, little silt
		8	18	4.0		
		10				
		10				
		7	S3	4.0		Medium dense brown coarse to fine SAND, little silt
5		7	16	6.0		
		8				
		8				
		2	S4	6.0		Very loose brown coarse to fine SAND, trace silt
		2	14	8.0		
		1				
		1				
		1	S5	8.0		Very loose brown fine SAND, little silt
		2	16	10.0		
		1				
		1				
10			S6	10.0		Similar to S5
		1	8	12.0		
		1				
		1				
		1	S7	12.0		Very loose brown fine SAND, little silt, 1/2 in.
		1/18	10	14.0		layer of clay
		1/6				
		1/12	S8	14.0		Very loose brown fine SAND, little silt, trace
		1/12	8	16.0		medium sand
15						
		1/12	S9	16.0		Similar to S8, with wood in spoon
		1	10	18.0		
		9				
		20	S10	18.0		sample consists entirely of wood
		19	6	20.0		
		18				
		19				
20		WR	S11	20.0		Very loose brown coarse to fine SAND, little fine
		2	6	22.0		gravel, silt, trace wood
		1				
		2				
		6	S12	22.0		Medium dense brown coarse to fine SAND, little
		6	12	24.0		inorganic silt, trace gravel, wood, brick
		7				
		9			31.6	-FILL-
		20	S13	24.0	24.0	
25		18	3	26.0		

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	27.0
ROCK CORED (LIN FT)	-
SAMPLES	13S

BORING NO. B20

00 31 43

Storm Water Pollution Control Plan

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central Permit Processing Unit
79 Elm Street
Hartford, CT 06106-5127

DEP USE ONLY

Permit Application Transmittal Form

Please complete this transmittal form in accordance with the instructions in order to ensure the proper handling of your application(s) and the associated fee(s). Print legibly or type.

Part I: Applicant Information

Applicant: **State of Connecticut Department of Education**

Mailing Address: **Department of Public Works, 165 Capitol Avenue**

City/Town: **Hartford** State: **CT** Zip Code: **06106**

Business Phone: **860.807.2181** ext.: Fax: **860.713.7257**

Contact Person: **Al Richmond** Phone: **860.807.2181** ext.

Applicant (check one): ☐ individual ☐ company ☐ federal gov't ☒ state agency ☐ municipality

If a Company, list company type (e.g., corporation, limited partnership, etc.):

☐ Check if any co-applicants. If so, attach additional sheet(s) with the required information as supplied above.

Please provide the following information to be used for *billing purposes only*, if different:

Company/Individual Name:

Mailing Address:

City/Town: State: Zip Code:

Contact Person: Phone: ext.

Part II: Project Information

Brief Description of Project: *(Example: Development of a 50 slip marina on Long Island Sound)*

The construction activities will disturb approximately 11 acres of the site includes construction of additional classroom space within an area that is largely paved. The new wing will be larger than the existing, and will necessitate a relocation of a portion of the existing access to the rear of the site, and the relocation of an existing garage structure. Additions are also planned on the Jones Road side of the property, where another addition and the removal of the existing school entrance are proposed. The balance of the property will remain unchanged from its current conditions.

Location (City/Town): **Hamden**

Other Project Related Permits (*not* included with this form):

Permit Description	Issuing Authority	Submittal Date	Issuance Date	Denial Date	Permit #

Part III: Individual Permit Application and Fee Information

New, Mod. or Renew	Individual Permit Applications	Initial Fees	No. of Permits Applied For	Total Initial Fees	Original + Required Copies
	AIR EMISSIONS				
	New Source Review	$750.00			1 + 0
	Title V Operating Permits	none			1 + 0
	WATER DISCHARGES				
	To Groundwater	$1050.00			1 + 1
	To Sanitary Sewer (POTW)	$1050.00			1 + 1
	To Surface Water (NPDES)	$1050.00			1 + 2
	INLAND WATER RESOURCES-multiple permits 1 + 6 total copies				
	Dam Construction	none			1 + 2
	Flood Management Certification	none			1 + 1
	Inland 401 Water Quality Certification	none			1 + 5
	Inland Wetlands and Watercourses	none			
	Stream Channel Encroachment Lines	★			
	Water Diversion	★			1 + 5
	OFFICE OF LONG ISLAND SOUND PROGRAMS				
	Certificate of Permission	$400.00			1 + 3
	Coastal 401 Water Quality Certification	none			1 + 3
	Structures and Dredging/Tidal Wetlands	$525.00			1 + 3
	WASTE MANAGEMENT				
	Aerial Pesticide Application	★			1 + 2
	Aquatic Pesticide Application	$100.00			1 + 0
	CGS Section 22a-454 Waste Facilities	★			1 + 1
	Hazardous Waste Treatment, Storage and Disposal Facilities	★			1 + 1
	Marine Terminal License	$125.00			1 + 0
	RCRA Closure Plan	$3750.00			1 + 0
	RCRA Post Closure	$3750.00			1 + 0
	Solid Waste Facilities	★			1 + 2
	Waste Transportation	★			1 + 0
		Subtotal ➡			
	GENERAL PERMITS and AUTHORIZATIONS Enter subtotals from Part IV, pages 3 & 4 of this form	Subtotals Page 3 ➡ Subtotals Page 4 ➡	1	1000	
		TOTAL ➡	1	1000	
	☒ Indicate whether municipal discount or state waiver applies.	Less Applicable Discount ➡		500	
		AMOUNT REMITTED ➡		500	

Check # ➡ _____ Check or money order should be made payable to: "Department of Environmental Protection"

★ See fee schedule on individual application.

Part IV: General Permit Registrations and Requests for Other Authorizations Application and Fee Information

✓	General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fees	Original + Required Copies
	AIR EMISSIONS				
☐	Limit Potential to Emit from Major Stationary Sources of Air Pollution	$5000.00			1 + 0
☐	Ionizing Radiation Registration	$200.00			1 + 0
☐	Emergency/Temporary Authorization	★★			★★
☐	Other, (please specify):				
	WATER DISCHARGES				
☐	Domestic Sewage	$500.00			1 + 0
☐	Food Processing Wastewater	$500.00			1 + 0
☐	Groundwater Remediation Wastewater to a Sanitary Sewer	$500.00			1 + 0
☐ ☐	Groundwater Remediation Wastewater to a Surface Water Registration Only Approval of Registration by DEP	$500.00 $1000.00			1 + 0
☐	Minor Non-Contact Cooling and Heat Pump Water	$500.00			1 + 1
☐	Minor Photographic Processing	$100.00			1 + 0
☐	Minor Printing & Publishing Wastewater	$500.00			1 + 0
☐	Minor Tumbling or Cleaning of Parts Wastewater	$1000.00			1 + 1
☐ ☐	Miscellaneous Discharges of Sewer Compatible Wastewater Flow < 5,000 gpd and fire sprinkler system testwater Flow > 5,000 gpd	$500.00 $1000.00			1 + 1
☐	Stormwater Associated with Commercial Activities	$500.00			1 + 0
☐	Stormwater Associated with Industrial Activities	$500.00			1 + 0
☐ ☒	Stormwater & Dewatering Wastewaters-Construction Activities 5 – 10 acres > 10 acres	$500.00 $1000.00	1	1000	1 + 0
☐	Stormwater from Small Municipal Separate Storm Sewer Systems (MS4)	$250.00			1 + 0
☐	Swimming Pool Wastewater - Public Pools and Contractors	$500.00			1 + 0
☐ ☐	Vehicle Maintenance Wastewater Registration Only Approval of Registration by DEP	$500.00 $1000.00			1 + 0
☐	Water Treatment Wastewater	$500.00			1 + 0
☐	Emergency/Temporary Authorization - Discharge to POTW	$1500.00			1 + 0
☐	Emergency/Temporary Authorization - Discharge to Surface Water	$1500.00			1 + 0
☐	Emergency/Temporary Authorization - Discharge to Groundwater	$1500.00			1 + 0
☐	Other, (please specify):				
	AQUIFER PROTECTION PROGRAM				
☐	Registration for Regulated Activities	$500.00			1 + 0
☐	Permit Application to Add a Regulated Activity	$1000.00			1 + 0
☐	Exemption Application from Registration	$1000.00			1 + 0
	Note: Carry subtotals over to Part III, page 2 of this form. Subtotal ➡		1	1000	

★★ Contact the specific permit program for this information (Contact numbers are provided in the instructions).

Part IV: General Permit Registrations and Requests for Other Authorizations (continued)

✓ General Permits and Other Authorizations	Initial Fees	No. of Permits Applied For	Total Initial Fee	Original + Required Copies
INLAND WATER RESOURCES				
☐ Dam Safety Repair and Alteration	$1000.00			1 + 2
☐ Diversion of Water for Consumptive Use: Reauthorization Categories	$1000.00			1 + 2
☐ Diversion of Water for Consumptive Use: Authorization Required	$2500.00			1 + 5
☐ Diversion of Water for Consumptive Use: Filing Only	$1500.00			1 + 4
☐ Habitat Conservation	$1000.00			1 + 2
☐ Lake, Pond and Basin Dredging	$1000.00			1 + 2
☐ Minor Grading	$1000.00			1 + 2
☐ Minor Structures	$1000.00			1 + 2
☐ Utilities and Drainage	$1000.00			1 + 2
☐ Emergency/Temporary Authorization	★★			★★
☐ Other, (please specify):				
OFFICE OF LONG ISLAND SOUND PROGRAMS				
☐ 4/40 Docks	$700.00			1 + 1
☐ Non-harbor Moorings	$100.00			1 + 0
☐ Osprey Platforms and Perch Poles	none			1 + 0
☐ Pump-out Facilities (no fee for Clean Vessel Act grant recipients)	$100.00			1 + 0
☐ Remedial Activities Required by Order	$700.00			1 + 0
☐ Residential Flood Hazard Mitigation	$100.00			1 + 0
☐ Swim Floats	$100.00			1 + 0
☐ Emergency/Temporary Authorization	★★			★★
☐ Other, (please specify):				
WASTE MANAGEMENT				
☐ Addition of Grass Clippings at Registered Leaf Composting Facilities	$500.00			1 + 0
☐ Asbestos Disposal Authorization	$240.00			1 + 0
☐ Contaminated Soil and/or Staging Management (Staging/Transfer) Registration Only ☐ Approval of Registration by DEP	$250.00 $1500.00			1 + 0 1 + 0
☐ Disassembling Used Electronics	$1000.00			1 + 0
☐ Drop-site Recycling Facility	$200.00			1 + 0
☐ Leaf Composting Facility	none			1 + 1
☐ Limited Processing Recycling Facility	$500.00			1 + 0
☐ One Day Collection of Household Hazardous Waste and Hazardous Waste from Certain Generators	$500.00			1 + 0
☐ Recyclables Transfer Facility	$500.00			1 + 0
☐ Single Item Recycling Facility	$500.00			1 + 0
☐ Special Waste Authorization	$525.00			1 + 0
☐ Storage and Distribution of Two (2) Inch Nominal Tire Chip Aggregate	$500.00			1 + 0
☐ Storage and Processing of Asphalt Roofing Shingle Waste and/or Storage and Distribution of Ground Asphalt Aggregate	★			1 + 0
☐ Storage and Processing of Scrap Tires for Beneficial Use	$1000.00			1 + 0
☐ Emergency/Temporary Authorization	★★			★★
☐ Other, (please specify):				
Note: Carry subtotals over to Part III, page 2 of this form. Subtotal ➡				

★ See fee schedule on application. ★★ Contact the specific permit program for this information.

General Permit Registration Form for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Please complete this form in accordance with the general permit (DEP-PERD-GP-015) in order to ensure the proper handling of your registration. Print or type unless otherwise noted. You must submit the *Permit Application Transmittal Form* (DEP-APP-001) and the registration fee along with this form.

DEP USE ONLY
Application No. _____
Permit No. _____
Facility I.D. _____

Part I: Registration Type

Enter a check mark in the appropriate box identifying the registration type.

This registration is for (check one):	Please identify any existing permit number in the space provided:
☒ A *new* general permit registration ☐ A *modification* of an existing general permit	Existing permit number: ***GSN***

Part II: Fee Information

☐ ***Registration only***	A registration fee of $500.00 is to be submitted with *each* registration that you are submitting at least 30 days before the initiation of construction activities.
☒ ***Registration and Plan Review***	All construction projects that result in the disturbance of ten or more acres require the submittal of a Stormwater Pollution Control Plan and a $500.00 plan review fee. The plan and the fee must be submitted 30 days prior to initiation of the construction activity. $500.00 registration fee + $500.00 review fee = $1,000.00 total fee

For municipalities, a 50% discount applies. The registration will not be processed without the fee. The fee shall be non-refundable and shall be paid by certified check or money order payable to the Department of Environmental Protection.

Part III: Registrant Information

1. Fill in the name of the registrant(s) as indicated on the *Permit Application Transmittal Form* (DEP-APP-001):

   Registrant: **State of Connecticut Department of Education**

   Phone: **860-807-2181** ext. Fax: **860-713-7257**

   ☐ Enter a check mark if there are co-registrants. If so, label and attach additional sheet(s) with the required information as supplied above.

Part III: Registrant Information (cont.)

2. List primary contact for departmental correspondence and inquiries, if different than the registrant.

Name: **Fred Connolly**

Mailing Address: **Department of Public Works,165 Capitol Avenue, Room 473**

City/Town: **Hartford** State: **CT** Zip Code: **06106**

Business Phone: **860-713-5823** ext. Fax: **860-713-7257**

Site Phone: Emergency Phone:

Contact Person: Title: **DPW Project Manager**

Association (e.g. developer, general or site contractor, etc.):

3. List owner of the property on which the activity will take place, if different from registrant:

Name:

Mailing Address:

City/Town: State: Zip Code:

Business Phone: ext. Fax:

Contact Person: Title:

4. List developer, if different from registrant or primary contact:

Name:

Mailing Address:

City/Town: State: Zip Code:

Business Phone: ext. Fax:

Contact Person: Title:

5. Name and address of general contractor:

Name:

Mailing Address:

City/Town: State: Zip Code:

Business Phone: ext. Fax:

Site Phone: Off-hours Phone:

Contact Person: Title:

6. List any engineer(s) or other consultant(s) employed or retained to assist in preparing the registration and Stormwater Pollution Plan.

☐ Please enter a check mark if additional sheets are necessary, and label and attach them to this sheet.

Name: **Stantec Consulting**

Mailing Address: **2321 Whitney Avenue**

City/Town: **Hamden** State: **CT** Zip Code: **06518**

Business Phone: **203.281.1350** ext. Fax: **203.281.1470**

Contact Person: **Phil Katz** Title: **Senior Project Manager**

Service Provided: **Engineering**

Part IV: Site Information

1. Site or Project Name (if any): **Eli Whitney CTHSS**

   Street Address or Description of Location: **71 Jones Road**

   City/Town: **Hamden** State: **CT** Zip Code: **06514**

2. Brief description of construction activity: **Excavation and grading activities to construct school addition, parking and utilitities.**

3. Start Date: Anticipated Completion Date:

4. Estimated total number of acres to be disturbed:

Part V: Stormwater Discharge Information

1. Where does stormwater discharge to:

   ☒ Municipal Separate Storm System? ☒ Yes ☐ No (Name):

   ☐ Surface water body or wetlands? ☐ Yes ☒ No (Name):

2. Is the discharge located less than 500 feet from a tidal wetland, which is not a fresh-tidal wetland?

   ☐ Yes ☒ No

3. Name of the watershed where the site is located OR nearest waterbody to which it discharges:

   West River

4. Is construction in accordance with the Guidelines established under Section 22a-329 of the Soil Erosion and Sedimentation Act? ☒ Yes ☐ No

5. Is construction in accordance with local soil erosion and sediment ordinances? ☒ Yes ☐ No

   Note: A copy of this registration and the Stormwater Pollution Control Plan must be available to the town wetlands enforcement officials, wetlands commission, or their equivalent.

6. Will the construction project disturb over ten acres? ☒ Yes ☐ No

   If yes, enclose a copy of the Stormwater Pollution Control Plan and plan review fee.

7. Has the construction project been reviewed for compliance with the following DEP programs?

   a. Coastal Management Act (Section 22a-92 of the Connecticut General Statutes) ☒ Yes ☐ No

   b. Endangered and Threatened Species (Section 26-306 of the Connecticut General Statutes) ☒ Yes ☐ No

   c. State and Federal Historic Preservation statutes? ☐ Yes ☒ No

Part VI: Supporting Documents

Please enter a check mark by the attachments as verification that *all* applicable attachments have been submitted with this registration form. When submitting any supporting documents, please label the documents as indicated in this part (e.g., Attachment A, etc.) and be sure to include the registrant's name as indicated on the *Permit Application Transmittal Form.*

☒	Attachment A:	An 8 1/2" x 11" copy of the relevant portion or a full-sized original of a USGS Quadrangle Map indicating the exact location of the facility or site. Indicate the quadrangle name on the map. (To obtain a copy of the relevant USGS Quadrangle Map, call your town hall or DEP Maps and Publications Sales at 860-424-3555.)
☒	Attachment B:	A copy of the Stormwater Pollution Control Plan and plan review fee of $500.00, if the construction project disturbs over 10 acres

Part VII: Environmental Professional Certification

The following certification must be signed by a professional engineer, licensed to practice in Connecticut

"I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements."

Signature of Professional Engineer

Date

Name of Professional Engineer (print or type)

P. E. Number (if applicable)

Affix P. E. Stamp Here

Part VIII: Registrant Certification

The registrant *and* the individual(s) responsible for actually preparing the registration must sign this part. A registration will be considered incomplete unless all required signatures are provided.

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I certify that this general permit registration is on complete and accurate forms as prescribed by the commissioner without alteration of the text. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.

I also certify under penalty of law that I have read and understand all conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, that all conditions for eligibility for authorization under the general permit are met, all terms and conditions of the general permit are being met for all discharges which have been initiated and are the subject of this registration, and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements."

Signature of Registrant	Date
Name of Registrant (print or type)	Title (if applicable)
Signature of Preparer (if different than above)	Date
Name of Preparer (print or type)	Title (if applicable)

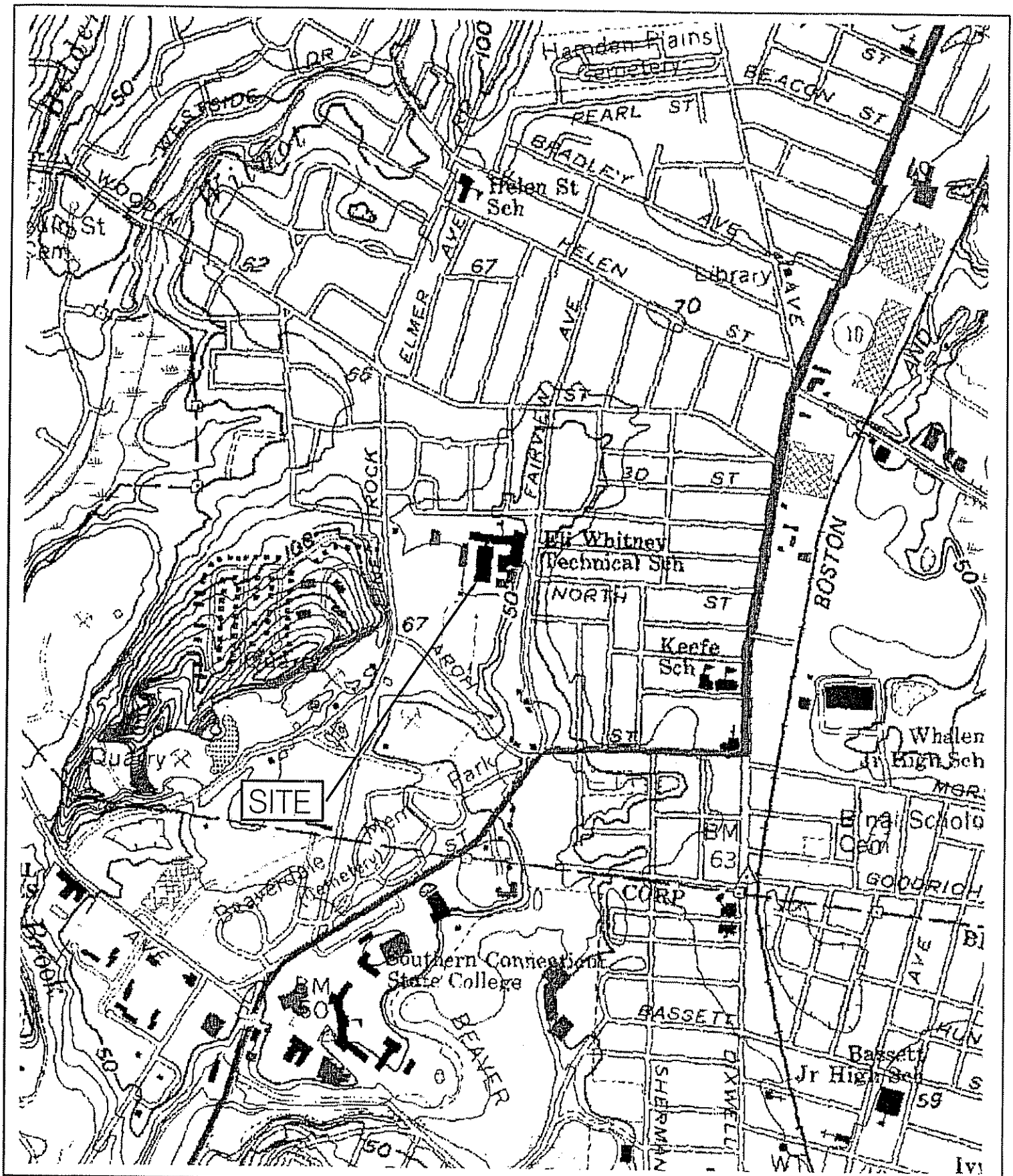
☐ Please enter a check mark if additional signatures are necessary.
If so, please reproduce this sheet and attach signed copies to this sheet.

Note: Please submit the *Permit Application Transmittal Form*, the Registration Form, Fee(s), and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

Note: If discharging to municipal separate storm sewer, send a copy of this completed registration form to the owner or operator of that system.

If discharging to a public drinking water supply watershed or aquifer area, send a copy of this completed registration form to the appropriate water company.



Stantec
2321 Whitney Avenue
Hamden, CT 06518-3510
Tel: 203 281 1350
Fax: 203 281 1470

USGS MAP
QUAD # 95 (NEW HAVEN)

ELI WHITNEY CTHSS
ADDITIONS AND RENOVATIONS
71 JONES ROAD
STATE PROJ. # BI-RT-837

JOB NO. 210610049

SCALE: 1" = 1000'

DATE. JULY 2007

ATTACHMENT A

STORMWATER POLLUTION CONTROL PLAN

Eli Whitney CTHSS
71 Jones Road
Hamden, Connecticut

Project No. 210610049

Prepared by:
Antonio DiCamillo, PE
Civil Engineer

Approved by:
Phil Katz, PE
Senior Project Manager

Stantec

January 2008

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1.0 Introduction

1.1 GENERAL PERMIT COVERAGE

This Stormwater Pollution Control Plan (SPCP) has been prepared for the construction activities and stabilization of future development at the Eli Whitney CTHSS located in the southwest region in the Town of Hamden bounded by Jones Road to the north, Arch Street to the south, Fairview Avenue to the east, and residential properties and park spaces to the west. The SPCP has been prepared in accordance with Connecticut's "General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities," April 8, 2004 version.

The project is covered by the General Permit because the discharge is comprised solely of stormwater and possibly dewatering wastewater from construction activities resulting in the disturbance of greater than one or more acres on the site. All other requirements for authorization listed under Section 3(b) of the General Permit are met by the project. A copy of the General Permit is included as Appendix A.

The General Permit is designed to operate in an administrative mode which minimizes paperwork for both the State and the permit tee. It is incumbent upon the Connecticut Department of Public Works (CTDPW) to be aware of, and to comply with, the conditions of the General Permit. The first condition of permit coverage is submittal of the permit registration. A copy is included in Appendix B. Subsequent conditions of coverage, including the following, are discussed in this document:

- >10 acres disturbed, SPCP must be submitted to CT-DEP for review;
- maintain this SPCP on-site;
- periodic site inspections; and
- plan update, as needed.

This plan has been prepared in accordance with the Construction Documents prepared by Stantec Consulting Services, Inc. dated October, 2007. The project drawings and details, which include all erosion and control measures, temporary vegetative cover, and all pertinent construction sequencing and control measures, have been included as Appendix C.

_____ will manage the construction activities and will serve as the General Contractor. CTDPW has assigned _____ to implement the Erosion and Sediment Control Plan shown on the project drawings, incorporated into this SPCP by reference, and to assure that all requirements of this SPCP are met. _____'s inspection responsibilities are discussed in detail in Section 5.0.

1.2 RELATED DOCUMENTS

This plan has been prepared based on site planning and engineering completed by Stantec Consulting Services, Inc., Hamden, CT. Sheet C-07, of the project drawings, attached as Appendix C, include erosion and sedimentation (E&S) control measure details. Where there is a conflict between E&S features shown on the drawings and those described in this plan, the more conservative (i.e. protective) will apply. The set of drawings referenced to develop this plan was issued October, 2007.

This plan is also based on a Geotechnical Report for the project prepared by Geodesign Incorporated, dated March 24, 2006. In particular, data regarding depth to groundwater and depth to bedrock, as well as recommendations for pile types and shallow foundations, have been considered in developing this plan. The Geodesign report is not appended to this plan, but is available at the office of the developer.

2.0 SITE DESCRIPTION – SECTION 6(b)(6)(A)

The subject parcel is approximately 18.94 acres, and is located at the intersection of Jones Road and Fairview Avenue in Hamden, Connecticut. The site construction will disturb the site soils during excavation, grading and utility removal and installation.

Development at Eli Whitney CTHSS has been planned in six (6) phases. Phase 1.1 is planned to begin October, 2008 and will last four to eight months. Construction activities are provided on the Phasing Drawings included as Attachment C.

The construction activities will disturb approximately 11 acres of the site. Modifications to the property relate to the construction of additional classroom space within an area that is largely paved. The new classroom space will involve the demolition and replacement of the present west wing (D Wing) of the existing buildings. The new wing will be larger than the existing, and will necessitate a relocation of a portion of the existing access to the rear of the site, and the relocation of an existing garage structure. Additions are also planned on the Jones Road side of the property, where another addition and the removal of the existing school entrance are proposed. The balance of the property will remain unchanged from its current conditions.

The following table is the anticipated post-construction runoff coefficient for the project site.

Post-Construction			
Surfacing	**Area (A)**	**Runoff Coefficient (C)**	**Total (A x C)**
Parking lot and road	-	0.90	-
Vegetation	10.26	0.30	3.078
Pavement	8.74	0.90	7.866
Total A x C =			10.944
Area of Disturbance			11 ac.
Phase I Post-Construction Runoff Coefficient			0.576

3.0 Construction Sequencing – Section 6(b)(6)(B)

Prior to any other site construction at Eli Whitney CTHSS, temporary erosion and sedimentation controls will be installed (as described in section 4.0) and inspected for adequacy and effectiveness. The controls will be inspected and maintained throughout the construction period and three (3) months following final site stabilization.

The sequence of construction activities is as follows:

1. Establish construction entrances per plan on Fairview Avenue and Jones Road and install remaining section of project limit fencing where required.
2. Clear trees and brush on entire site.
3. Install perimeter and on-site erosion/siltation control measures per plan.
4. Topsoil removal and stockpiling, stockpile material to be placed in designated areas as shown on the plan. All stockpiles to be stabilized upon completion of dumping sequence at each location.
5. Begin demolition of site in accordance with demolition plan.
6. Rough grading/earth removal. All cut or disturbed areas shall be graded to drain and stabilized with temporary vegetative cover.
7. Excavate and installation of drainage and other utility conduits in accordance to the utility plan.
8. Installation of internal erosion controls.
9. Inspect and maintain erosion and sediment control measures at regular intervals, especially after storm events (see Section 5.0).
10. Preparation of road bed and parking lot areas.
11. Finish pavement installation.
12. Topsoil and final seeding of all disturbed areas within project site.
13. Installation of lighting and landscaping.
14. Remove perimeter erosion control measures and final cleanup.

4.0 CONTROLS – SECTION 6(b)(6)(C)

4.1 EROSION AND SEDIMENT CONTROLS

All proposed erosion and sediment controls will be installed on-site under the following conditions:

- All control measures including land grading and soil conservation will be implemented and/or constructed in accordance with the standards and specifications of the 2002 Connecticut Guidelines for Soil Erosion and Sediment Control (2002 CT E&S Guidelines).
- All controls will be put into place prior to any other site construction.
- All controls will be maintained in an effective condition throughout the construction period.
- Additional control measures will be installed during the construction period if necessary, or required.

Details of the proposed controls are described in the following sub-sections:

4.1.1 Stabilization Controls

Preservation of Existing Vegetation

Preservation of existing grasses, shrubs, and trees will be enforced where applicable.

Slope Stabilzation – Contractor to use either of the specified methods

Bonded Fiber Matrix: Long strand wood fibers bonded by high strength non-toxic adhesive. The product shall be hydraulically applied to soil to form a continuous blanket. Upon drying the matrix will form a porous and erosion resistant mat that will not inhibit germination and plant growth. The matrix shall be capable of retaining its form despite wetting and shall be 100% biodegradable over time.

Erosion Control Blanket: shall be degradable but have a functional longevity of 2 years. It shall consist of wheat straw and mattress grade coconut fiber mechanically bound and covered on both sides with netting. Product shall conform to the requirements of Section M.13.09 – Erosion Control Mattting of ConnDOT Form 816.

Seed Mixture shall be perennial rye-grass or selected from Figure TS-2 in the 2002 CT E&S Guidelines.

Temporary Vegetative Cover

Temporary cover will be provided under the following circumstances:

- When grading of the disturbed area will be suspended for a period of 30 or more consecutive days, but less than five months, the area will be stabilized with straw mulch within seven (7) days of the suspension of grading activities.
- For surfaces that are not to be reworked within five (5) months but will be reworked within one (1) year, use temporary seeding.
- Seed species, seeding rates, optimum seeding depth, and a seeding timeline will comply with Figure TS-2 of the 2002 CT E&S Guidelines.
- When hydroseeding, the seeding rate will be increased by 10%.
- Seeding will occur at all disturbed areas where construction activities have ceased or have been temporarily suspended for more than seven (7) days.

Any areas that may be disturbed in the winter months will be stabilized with non-vegetative means such as heavy mulching with a binder or jute matting which must be removed before seeding and then replaced.

4.1.2 Structural Controls

Sediment Filter Fence

Prior to the initiation of construction activities, sediment filter fence will be installed along the perimeter of the down-gradient portion of the Phase One construction areas.

Erosion Checks

Erosion checks comprised of staked haybales will be butted together around the perimeter of each existing stormwater catch basin. A stockpile of haybales will also be stored on-site for erosion control maintenance.

Staked haybales, butted together perpendicular to the potential flow will also be placed in this fashion for temporary drainage swales and the perimeter of temporary soil stockpile areas on-site.

Stone Construction Entrances (anti-tracking pads)

Stone construction entrances will be installed off Jones Road to enter the northern area of the site and at two locations off Fairview Avenue to access the area south of Jones Road. Pads will be constructed of modified riprap on 2-inch stone placed over geotextile matting to a depth of at least 8 inches in accordance to the detail on plans. Pad dimensions will be a minimum of 50 feet in length and 15 feet wide. The construction vehicles will only enter and exit the site from the construction entrances to eliminate or minimize the tracking of sediment onto neighboring streets.

Sediment filter fence with haybales, erosion checks, and construction entrances will be installed as shown on Erosion and Sedimentation Control and Detail Plans provided as Appendix C.

4.1.3 Maintenance

The following subsections have been prepared to address the minimum maintenance required for each specified erosion control measure. Several factors such as the construction methods, site soils, and rainfall intensity, duration, and frequency may necessitate the need for additional control measures. Therefore, it is important that each of the controls be inspected on a regular basis as described in Section 5.0 of this plan.

Temporary Vegetation

The inspector should determine if there has been soil channeling or rill erosion. If such failures are detected, rilled areas will be repaired and/or reseeded within 48 hours.

Sediment Filter Fence and Hay Bale Erosion Checks

Remove significant sediment deposits. The silt fence should be inspected for the following failures:

Fence/hay bale has been overtopped, undercut or bypassed by runoff water;

The barrier has been moved out of position or knocked over; or

Haybales have decomposed or been structurally damaged.

If the depth of the accumulated sediment is greater than or equal to six (6) inches, sediment or removal will be necessary.

Within 24 hours of recognized failure, the silt fence should be repaired or replaced. If repeated failures occur, additional control measures such as installing a second parallel fence or stone barriers should be considered.

Stone Construction Entrances

The paved streets adjacent to the project entrance any excess from the site. Entrances will be inspected on a regular basis and after there has been a high volume of traffic or storm event. When the stone surface becomes clogged with dirt or mud, additional stone will be placed. If excess mud, dirt, or rock is tracked off-site, the affected streets will be swept.

4.2 DEWATERING WASTEWATERS

Based upon review of data from geo-technical borings, dewatering is not anticipated for the site. If any dewatering is required, all dewatering wastewaters will be pumped to a sedimentation/infiltration basin on-site.

4.3 OTHER CONTROLS

4.3.1 Waste Disposal

During construction, waste materials will be managed as follows:

- All trash and construction debris will be collected and stored in secure enclosures in order to prevent unnecessary litter and exposure to stormwater.
- No construction waste materials will be buried on-site.
- Construction personnel will be instructed regarding the correct procedure for waste disposal.

Portable lavatory units will be provided for sanitary wastes during construction.

4.3.2 Dust Control

Dust control will be employed to prevent excessive dust from being transported off-site. Dust control will be accomplished through the following measures:

- Vegetation will be used for disturbed areas not subject to traffic.
- A sprinkling water truck will be used to wet on-site haul roads and other traffic routes.

4.3.3 Material Management

The following good housekeeping practices will be followed on-site during the construction project:

- The contractor will limit storage of materials on-site to that required for this project only.
- Materials will be stored as originally shipped (e.g. contained, palleted, etc.) and will be stored in a neat and orderly manner and, if necessary, under a roof or enclosure to prevent pollutants from exposure to stormwater.
- Original labels and material safety data sheets (MSDS) will be retained on-site for any construction related fluids or other materials with potential to be accidentally released or to otherwise contaminate site run-off.

4.4 POST-CONSTRUCTION STORMWATER MANAGEMENT

As presented in Section 2.0, development at Eli Whitney CTHSS has been planned in six (6) phases. As required by the General Permit, Phase 3 of the project will include a permanent storm sewer system that will be designed to remove 80% of the total suspended solids from post-construction stormwater runoff. Sediment will be removed through the incorporation of a water quality unit that will receive drainage from the sidewalks, roadways, and parking areas prior to discharge to the existing drainage system. The water quality unit is designed to retain and trap sediment up to and including the water quality flow.

5.0 INSPECTION – SECTION 6(b)(6)(D)

5.1 RESPONSIBLE PARTY

_____, has been assigned to implement the erosion and sediment control plan. He and his assignees shall be responsible for inspecting all disturbed areas, and maintaining all control measures.

The inspector will ensure that no litter, building materials, etc., are discharged to the waters of the State and that storage areas are maintained properly. Potential or actual sources of erosion and sedimentation or other water pollution will be identified and remedied.

5.2 INSPECTION FREQUENCY

The site will be inspected in accordance with the following criteria:

- At least once every seven (7) calendar days.
- Within 24 hours of the end of a storm that is 0.1 inches or greater of precipitation.
- At least once (1) per month for three (3) months after stabilization of temporarily seeded areas.
- Once the project is complete, post-stabilization inspections are required for an additional three (3) months.

5.3 PLAN REVISION

This plan will be revised as required if any of the following circumstances occur:

- Site Plan Changes;
- Erosion & Sediment Control Plan changes; or
- Failure of Plan objectives

Based on the results of the inspection, the description of potential sources and pollution prevention measures in the Plan will be revised as appropriate. Needed changes to the site will occur within 24 hours and implementation to changes in the plan within 72 hours following the inspection.

5.4 REPORTS

Reports summarizing the scope of the inspection will be completed and maintained as part of this plan for at least 3 years after project termination. The primary components of each report are listed below and a site-specific inspection log is included in Appendix D:

- The date of the inspection;
- Major observations relating to the SPCP;
- Actions to be taken;
- Signature of the permittee or his authorized agent.

6.0 Contractors – section 6(b)(6)(E)

The General Permit requires that each contractor and subcontractor who will perform site actions be identified and be required to sign the certification statement included in Appendix E. All certifications will be appended to this document in Appendix E.
The contractors for the site who conduct activities that may affect stormwater quality are as follows:

General Contractor

Sub-Contractor

Other Sub-Contractors

It is anticipated that the sub-contractors listed below, to whom the certification is applicable, will be utilized on this project. Any such contractors will be required to sign the certification form prior to their conducting any activities on-site that disturb soils.

7.0 RETENTION OF RECORDS – 6(c)

A copy of this Stormwater Pollution Control Plan will be maintained by CTDPW at the construction site from the date construction commences until Notice of Termination. CTDPW will retain copies of the SPCP, its revisions, its inspection reports, and any other relevant data for a period of three years from the date that construction at the site is completed.

All inspection reports generated during construction and any SPCP revisions will also be maintained on-site during this period.

Reports summarizing the inspection will be generated and maintained as part of this plan. Inspection Report Forms should be kept on-file for at least three (3) years from the date of final stabilization.

The Plan will be updated as necessary to reflect significant design and construction sequence changes or in response to ineffective erosion & sedimentation controls. See Section 5.3.

8.0 TERMINATION REQUIREMENTS – SECTIONS 5(a), (b) & (c)

Notice of Termination

At the completion of the construction project, a Notice of Termination will be filed with the Commissioner. The project will be considered complete (3) months after the site has been fully stabilized.

Termination Form

A Notice of Termination form is included as Appendix F. The form must be completed in full and signed by the permittee, Mr. Brian Stobbie.

Where to File a Termination Form

The termination form will be sent to the following address:

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

9.0 Other Requirements – SectionS 6(d), (f), (g) & (k)

Regulations of Connecticut State Agencies

The complete set of DEP discharge permit regulations, as contained in RCSA 22a-430-3 & -4, is in effect under this general permit.

Duty to Correct and Report Violations

Upon becoming aware of a violation of a condition of the General Permit, the permittee will complete the following course of action within five (5) days:

- Determine the cause of the violation;
- Correct and mitigate the results of the violation;
- Prevent further violations;
- Report corrective actions to the Commissioner in accordance with the certification requirements of Section 6(h).

Duty to Provide Information

The permittee will provide the Commissioner with pertinent information within five (5) days of such requests in accordance with the certification requirements of Section 6(h).

Correction of Inaccuracies

The permittee will correct inaccuracies or relevant missing information in writing to the Commissioner within fifteen (15) days of notification in accordance with the certification requirements of Section 6(h).

APPENDIX A

GENERAL PERMIT FOR THE DISCHARGE OF STORMWATER
AND DEWATERING WASTEWATER
ASSOCIATED WITH CONSTRUCTION ACTIVITIES

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Reissuance of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

The Department of Environmental Protection's General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, issued on October 1, 2002, modified April 8, 2004, is hereby reissued with the effective date noted below. The General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities will expire on October 1, 2008, unless otherwise modified in accordance with law.

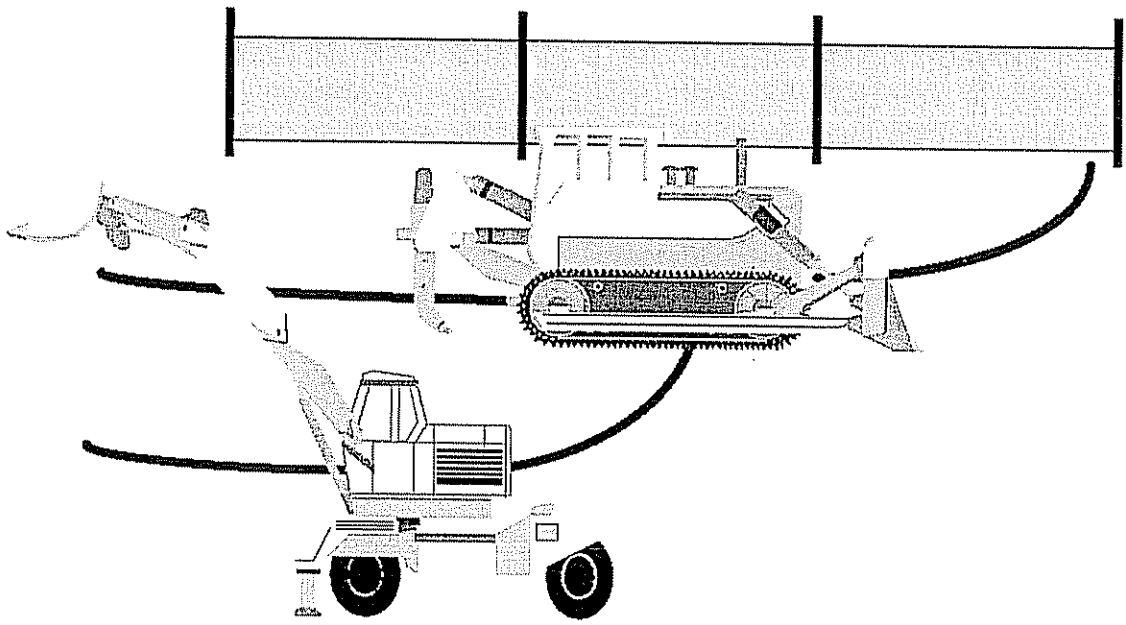
Issued Date: October 1, 2007

GINA McCARTHY
Commissioner

This is a true and accurate copy of the general permit reissuance executed on October 1, 2007 by the Commissioner of the Department of Environmental Protection.

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER MANAGEMENT
PERMITTING, ENFORCEMENT AND REMEDIATION DIVISION
860-424-3018

General Permit for the Discharge of Stormwater and Dewatering Wastewaters Associated with Construction Activities



Issuance Date: October 1, 2002
Modified: April 8, 2004

Printed on recycled paper

General Permit for Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

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General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Section 1. Authority

This general permit is issued under the authority of Section 22a-430b of the Connecticut General Statutes.

Section 2. Definitions

The definitions of terms used in this general permit shall be the same as the definitions contained in Section 22a-423 of the Connecticut General Statutes and Section 22a-430-3(a) of the Regulations of Connecticut State Agencies. As used in this general permit, the following definitions shall apply:

"*Authorized activity*" means any activity authorized under this general permit.

"*Coastal area*" means coastal area as defined in Section 22a-93(5) of the Connecticut General Statutes.

"*Coastal waters*" means coastal waters as defined in Section 22a-29 of the Connecticut General Statutes.

"*Commissioner*" means commissioner as defined in Section 22a-2(b) of the Connecticut General Statutes.

"*Construction activities*" means activities including but not limited to clearing and grubbing, grading, excavation, and dewatering.

"*Department*" means the department of environmental protection.

"*Developer*" means a person who or municipality which is responsible, either solely or through contract, for the design and construction of a project site.

"*Dewatering wastewater*" means wastewater generated from the lowering of the groundwater table, the pumping of accumulated stormwater from an excavation, or the pumping of surface water from a cofferdam, or pumping of other surface water that has been diverted into a construction site.

"*Disturbance*" means the execution of any of the construction activities defined above.

"*Erosion*" means the detachment and movement of soil or rock fragments by water, wind, ice and gravity.

"*Fresh-tidal wetland*" means a tidal wetland with an average salinity level of less than 0.5 parts per thousand.

"Guidelines" means the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, or as may be amended, established pursuant to Section 22a-328 of the Connecticut General Statutes.

"High tide line" means high tide line as defined in Section 22a-359(c) of the Connecticut General Statutes.

"Individual permit" means a permit issued to a named permittee under Section 22a-430 of the Connecticut General Statutes.

"Inland wetland" means wetlands as defined in Section 22a-38 of the Connecticut General Statutes.

"Municipal separate storm sewer" means conveyances for stormwater (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels or storm drains) owned or operated by any municipality and discharging directly to surface waters of the state.

"Municipality" means municipality as defined in Section 22a-423 of the Connecticut General Statutes.

"Permittee" means any person who or municipality which initiates, creates or maintains a discharge in accordance with Section 3 of this general permit.

"Person" means person as defined in Section 22a-423 of the Connecticut General Statutes.

"Point Source" means any discernible, confined and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged.

"Registrant" means a person who or municipality which files a registration.

"Registration" means a registration form filed with the commissioner pursuant to Section 4 of this general permit.

"Retain" means to permanently hold on-site with no subsequent point-source release as in a detention system where there is a temporary holding or delaying of the delivery of stormwater downstream.

"Sediment" means solid material, either mineral or organic, that is in suspension, is transported, or has been moved from its site of origin by erosion.

"Site" means geographically contiguous land or water on which an authorized activity takes place or on which an activity for which authorization is sought under this general permit is proposed to take place. Non-contiguous land or water owned by the same person and connected by a right-of-way, which such person controls, and to which the public does not have access shall be deemed the same site.

"Soil" means any unconsolidated mineral and organic material of any origin.

"*Stabilize*" means the use of pavement, establishment of vegetation, use of geotextile materials, use of organic or inorganic mulching materials, or retention of existing vegetation to prevent erosion.

"*Stormwater*" means waters consisting of precipitation runoff.

"*Tidal wetland*" means a wetland as defined in Section 22a-29(2) of the Connecticut General Statutes.

"*Total disturbance*" means the total area on a site that will be exposed or susceptible to erosion during the course of a project.

"*Total sediment load*" means the total amount of sediment carried by stormwater runoff on an annualized basis.

"*Upland soils*" means soils which are not designated as poorly drained, very poorly drained, alluvial, or flood plain by the National Cooperative Soils Survey, as may be amended from time to time, of the Soil Conservation Service of the United States, Department of Agriculture, and/or the Inland Wetlands Commission of the community in which the project will take place.

"*Water company*" means water company as defined in Section 25-32a of the Connecticut General Statutes.

Section 3. Authorization Under This General Permit

(a) Eligible Activities

The following activity is authorized by this general permit, provided the requirements of subsection (b) of this section are satisfied:

The discharge of stormwater and dewatering wastewater from construction activities which result in the disturbance of one or more total acres of land area on a site regardless of project phasing. In the case of a larger plan of development (such as a subdivision), the estimate of total acres of site disturbance shall include, but is not limited to, road and utility construction, individual lot construction (i.e., house, driveway, septic system, etc.), and all other construction associated with the overall plan, regardless of the individual parties responsible for construction of these various elements.

(b) Requirements for Authorization

This general permit authorizes the activity listed in subsection (a) of this section provided:

(1) Coastal Management Act

Such activity must be consistent with all applicable goals and policies in Section 22a-92 of the Connecticut General Statutes, and must not cause adverse impacts to coastal resources as defined in Section 22a-93(15) of the Connecticut General Statutes.

(2) Endangered and Threatened Species

Such activity must not threaten the continued existence of any species listed pursuant to Section 26-306 of the Connecticut General Statutes as endangered or threatened and must not result in the destruction or adverse modification of habitat designated as essential to such species.

(3) Historic Places

Such activity must at all times be in compliance with State and Federal Historic Preservation statutes, regulations and policies including identification of any potential impacts on property listed or eligible for listing on the State and/or National Registers of Historic Places and a description of measures necessary to avoid or minimize those impacts.

(4) The stormwater is *not* discharged to a Publicly Owned Treatment Works or to ground water;

(5) The discharge shall *not* cause pollution due to acute or chronic toxicity to aquatic and marine life, impair the biological integrity of aquatic or marine ecosystems, or result in an unacceptable risk to human health.

(6) Any construction site that is registered under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities renewed on October 1, 1997, modified on December 20, 2000, and renewed on October 1, 2002, is authorized by this general permit provided that the site continues to meet the conditions listed in Section 6 of this general permit.

(c) Registration

Pursuant to Section 4 of this general permit, a completed registration with respect to the construction activity shall be filed with the commissioner thirty (30) days prior to the commencement of the activity unless exempted by Section 3(d) of this general permit.

(d) Small Construction

For construction projects with a total disturbed area (regardless of phasing) of between one and five acres, the permittee shall agree to adhere to the erosion and sediment control land use regulations of the town in which the construction activity is conducted. No registration pursuant to Section 4 of this general permit shall be required for such construction activity as long as it receives town review and written approval of its erosion and sediment control measures and follows the Guidelines. If no review is conducted by the town, the permittee must register and comply with Section 6 of this general permit.

(e) Geographic Area

This general permit applies throughout the State of Connecticut.

(f) Effective Date and Expiration Date of this General Permit

The modification of this general permit is effective on April 8, 2004, and expires on October 1, 2007.

(g) Effective Date of Authorization

Any activity is authorized by this general permit on the date the general permit becomes effective or on the date the activity is initiated, whichever is later.

(h) Revocation of an Individual Permit

If an activity is eligible for authorization under this general permit and such activity is presently authorized by an individual permit, the existing individual permit may be revoked by the commissioner upon a written request by the permittee. If the commissioner revokes such individual permit in writing, such revocation shall take effect on the effective date of authorization of such activity under this general permit.

(i) Issuance of an Individual Permit

If the commissioner issues an individual permit under Section 22a-430 of the Connecticut General Statutes, authorizing an activity authorized by this general permit, this general permit shall cease to authorize that activity beginning on the date such individual permit is issued.

Section 4. Registration Requirements

(a) Who Must File a Registration

With the exception noted below or in Section 3(d) of this general permit, any person who or municipality which initiates, creates, originates or maintains a discharge described in Section 3(a) of this general permit shall file with the commissioner a registration form that meets the requirements of Section 4 of this general permit, along with the applicable fee, at least thirty (30) days before the initiation of construction activities.

If a site has been previously registered under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities renewed on October 1, 1997, modified on December 20, 2000, and renewed on October 1, 2002, the permittee does *not* need to submit a new registration under this general permit, unless the ownership of the site has been transferred.

If the site for which a registration is submitted under this general permit is owned by one person or municipality but is leased or, in some other way, the legal responsibility of another person or municipality (the developer), the developer is responsible for submitting the registration required by this general permit. The registrant is responsible for compliance with all conditions of this general permit.

(b) Scope of Registration

A registrant shall register on one registration form every activity at a single site for which activity the registrant seeks authorization under this general permit. Activities at more than a single site may not be registered on one registration form.

(c) Contents of Registration

(1) Fees

(A) The registration fee of $500.00 shall be submitted with a registration form, provided that the registration fee for a municipality shall be $250.00. A registration shall not be deemed complete and no activity shall be authorized by this general permit (with the exception of activities previously registered under the general permit renewed on October 1, 1997, modified on December 20, 2000, and renewed on October 1, 2002), unless the registration fee has been paid in full.

(B) Registrants required to submit a stormwater pollution control plan (Plan) in accordance with Section 6(b)(3)(C) of this general permit shall pay an additional plan review fee of $500.00 with the submittal of the Plan, the registration form and registration fee, provided that the plan review fee for a municipality shall be $250.00.

(C) The registration fee and plan review fee shall be paid by check or money order payable to the **Department of Environmental Protection**.

(D) The registration fee and plan review fee are non-refundable.

(2) Registration Form

A registration shall be filed on forms prescribed and provided by the commissioner and shall include the following:

(A) Legal name, address, and telephone number of the registrant. If the registrant is a person transacting business in Connecticut and is registered with the Connecticut Secretary of the State, provide the exact name as registered with the Connecticut Secretary of the State.

(B) Legal name, address and telephone number of the owner of the property on which the activity will take place.

(C) Legal name, address and telephone number of the primary contact for departmental correspondence and inquiries, if different from the registrant.

(D) Legal name, address and telephone number of the developer of the property on which the subject activity is to take place.

(E) Legal name, address and daytime and off-hours telephone numbers of the general contractor or other representative, if different from the developer.

(F) Legal name, address and telephone number of any consultant(s) or engineer(s) retained by the permittee to prepare the registration and Stormwater Pollution Control Plan.

(G) Location address or description of the site with respect to which the registration is submitted.

(H) The estimated duration of the construction activity.

(I) A brief description of the construction activity, including, but not limited to:

(i) Number of acres disturbed.

(ii) Assurance that construction is in accordance with the Guidelines and local erosion and sediment control ordinances.

(iii) A determination of whether or not a coastal consistency review is necessary for the activity.

(iv) Assurance that there are no endangered or threatened species suspected or known to be impacted by the activity.

(J) A brief description of the stormwater discharge, including:

(i) The name of the municipal separate storm sewer system or immediate surface water body or wetland to which the stormwater runoff discharges, and whether or not the site discharges within 500 feet of a tidal wetland.

(ii) The name of the watershed or nearest waterbody to which the site discharges.

(K) An 8 ½" by 11" copy of the relevant portion or a full-sized original of a United States Geological Survey (USGS) quadrangle map, with a scale of 1:24,000, showing the exact location of the site and the area within a one mile radius of the site. Identify the quadrangle name on such copy.

(L) For all sites that will disturb 10 acres or more (regardless of phasing), a copy of the Stormwater Pollution Control Plan shall be submitted (with the $500 plan review fee) in accordance with Section 6(b)(3)(C) of this general permit.

(M) The signature of the registrant and of the individual or individuals responsible for actually preparing the registration, each of whom shall certify in writing as follows:

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I certify that this general permit registration is on complete and accurate forms as prescribed by the commissioner without alteration of the text. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.

I also certify under penalty of law that I have read and understand all conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, that all conditions for eligibility for authorization under the general permit are met, all terms and conditions of the general permit are being met for all discharges which have been initiated and are the subject of this registration, and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements."

(N) The following certification must be signed by a professional engineer, licensed to practice in Connecticut:

"I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements."

(d) Where to File a Registration

A registration shall be filed with the commissioner at the following address:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

(e) Additional Information

The commissioner may require a registrant to submit additional information that the commissioner reasonably deems necessary to evaluate the consistency of the subject activity with the requirements for authorization under this general permit.

(f) Additional Notification

For discharges through a municipal separate storm sewer system authorized by this general permit, a copy of the registration shall also be submitted to the owner and operator of that system.

For discharges within a public drinking water supply watershed or aquifer area, a copy of the registration and the Plan described in Section 6(b) of this general permit shall be submitted to the water company.

In addition, a copy of this registration and the Plan shall be available upon request to the local wetlands agency or its equivalent, or its duly authorized agent.

(g) Action by Commissioner

(1) The commissioner may reject without prejudice a registration if he determines that it does not satisfy the requirements of Section 4(c) of this general permit or more than thirty (30) days have elapsed since the commissioner requested that the registrant submit additional information or the required fee and the registrant has not submitted such information or fee. Any registration refiled after such a rejection shall be accompanied by the fee specified in Section 4(c)(1) of this general permit.

(2) The commissioner may disapprove a registration if he finds that the subject activity is inconsistent with the requirements for authorization under Section 3(b) of this general permit, or for any other reason provided by law.

(3) Disapproval of a registration under this subsection shall constitute notice to the registrant that the subject activity must be authorized under an individual permit.

(4) Rejection or disapproval of a registration shall be in writing.

Section 5. Termination Requirements

(a) Notice of Termination

At the completion of a construction project registered pursuant to Section 4 of this general permit, a Notice of Termination must be filed with the commissioner. A project shall be considered complete after the site has been stabilized for at least three months following the cessation of construction activities. A site is not considered stabilized until there is no active erosion or sedimentation present and no disturbed areas remain exposed.

(b) Termination Form

A termination notice shall be filed on forms prescribed and provided by the commissioner and shall include the following:

(1) The general permit number as provided to the permittee on the general permit certificate.

(2) The name of the registrant as reported on the General Permit Registration Form for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities (DEP-PED-REG-015).

(3) The address of the completed construction site.

(4) The date all storm drainage structures were cleaned of construction debris pursuant to Section 6(b)(6)(C)(iv) of this general permit, the date of completion of construction, and the date of the final inspections pursuant to Section 6(b)(6)(D) of this general permit.

(5) A description of the post-construction activities at the site.

(6) Signature of the permittee.

(c) Where to File a Termination Form

A termination form shall be filed with the commissioner at the following address:

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

Section 6. Conditions of this General Permit

The permittee shall at all times continue to meet the requirements for authorization set forth in Section 3 of this general permit. In addition, a permittee shall assure that authorized activities are conducted in accordance with the following conditions:

(a) Conditions Applicable to Certain Discharges

(1) Any person who or municipality which discharges stormwater into coastal tidal waters for which a permit is required under either the Structures and Dredging Act in accordance with Section 22a-361 of the Connecticut General Statutes or the Tidal Wetlands Act in accordance with Section 22a-32 of the Connecticut General Statutes, shall obtain such permit(s) from the commissioner. A tidal wetland permit is required for the placement of any sediment upon tidal wetland, whether it is deposited directly or indirectly.

(2) Any site which has a post-construction stormwater discharge that is located less than 500 feet from a tidal wetlands which is not a fresh-tidal wetland, shall discharge such stormwater through a system designed to retain the volume of stormwater runoff generated by 1 inch of rainfall on the site.

(b) Stormwater Pollution Control Plan

A registrant shall develop a Stormwater Pollution Control Plan ("Plan") for each site authorized by this general permit. Once the construction activity begins, the permittee shall perform all actions required by such Plan and shall maintain compliance with the Plan thereafter. The Plan shall be designed to address two components of stormwater pollution: (1) pollution caused by soil erosion and sedimentation during and after construction; and (2) stormwater pollution caused by use of the site after construction is completed, including, but not limited to, parking lots, roadways and the maintenance of grassed areas.

(1) Development of Plan

(A) The registrant shall develop a Plan for the site. Plans shall be prepared in accordance with sound engineering practices. The Plan shall ensure and demonstrate compliance with the Guidelines.

(B) For any stormwater discharges that were permitted under the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities renewed on October 1, 1997, modified on December 20, 2000, and renewed on October 1, 2002, the existing Plan shall be updated in accordance with subsection (b)(6) of this section. The permittee shall maintain compliance with such Plan thereafter.

(2) Deadlines for Plan Preparation and Compliance

For construction activities authorized by this general permit that are initiated after the date of issuance of this general permit, the registrant shall prepare the Plan no later than thirty days before the date of initiation of the construction activity.

(3) Signature and Plan Review

(A) The Plan shall be signed by the registrant in accordance with Section 6(h) of this general permit. The Plan shall be certified by all contractors and subcontractors in accordance with subsection (b)(6)(E) of this section.

(B) The registrant shall provide a copy of the Plan, and the registration form required in Section 4 of this general permit to the following persons immediately upon request:

(i) the commissioner;

(ii) the local agency approving sediment and erosion plans, grading plans, or stormwater management plans, and the local official responsible for enforcement of such plans;

(iii) in the case of a stormwater discharge through a municipal separate storm sewer system, the municipal operator of the system;

(iv) in the case of a stormwater discharge located within a public drinking water supply watershed or aquifer area, the water company.

The registrant shall also provide a copy of the Plan to all contractors or developers conducting construction activities on individual lots or buildings within the overall plan of development, regardless of ownership. These additional contractors or developers shall sign the certification in Section 6(b)(6)(E)(iii).

For all registrants or permittees submitting a Plan in accordance with subsection (b)(3)(B)(i) of this section, a plan review fee of $500.00 shall be submitted with the Plan.

(C) For construction activities that result in the disturbance of ten or more total acres of land area on a site (regardless of phasing), the Plan shall be submitted to the commissioner no later than thirty days before the initiation of construction activities. Plans shall be submitted in conjunction

with the registration submitted in compliance with Section 4 of this general permit.

(D) The commissioner may notify the registrant at any time that the Plan and/or the site do not meet one or more of the minimum requirements of this general permit. Within seven (7) days of such notice, or such other time as the commissioner may allow, the registrant shall make the required changes to the Plan and perform all actions required by such revised Plan. Within fifteen (15) days of such notice, or such other time as the commissioner may allow, the registrant shall submit to the commissioner a written certification that the requested changes have been made and implemented and such other information as the commissioner requires, in accordance with Sections 6(g) and 6(h) of this general permit.

(4) Keeping Plans Current

The permittee shall amend the Plan whenever there is a change in contractors or subcontractors at the site, or a change in design, construction, operation, or maintenance at the site which has the potential for the discharge of pollutants to the waters of the state and which has not otherwise been addressed in the Plan or if the actions required by the Plan fail to prevent pollution.

(5) Failure to Prepare, Maintain or Amend Plan

In no event shall failure to complete, maintain or update a Plan in accordance with subsections (b)(1) and (b)(4) of this section relieve a permittee of responsibility to implement any actions required to protect the waters of the state and to comply with all conditions of the general permit, including but not limited to installation and maintenance of all controls and management measures described in subsection (b)(6)(C) of this section and in the Guidelines.

(6) Contents of the Plan

The Plan shall include, at a minimum the following items:

(A) Site Description

(i) A description of the nature of the construction activity;

(ii) Estimates of the total area of the site and the total area of the site that is expected to be disturbed by construction activities;

(iii) An estimate, including calculations if any, of the average runoff coefficient of the site after construction activities are completed and existing data describing the soil or the quality of any discharge from the site;

(iv) A site map indicating drainage patterns and approximate slopes anticipated after major grading activities, areas of soil disturbance, the location of major structural and non-structural controls identified in the Plan, the location of areas where stabilization practices are expected to occur, areas which will be vegetated following construction, surface waters (including inland wetlands, tidal

wetlands, and fresh-tidal wetlands), and locations where stormwater is discharged to a surface water (both during and post-construction); and

(v) The name of the immediate receiving water(s) and the ultimate receiving water(s) of the discharges authorized by this general permit and areal extent of wetland acreage on the site.

(B) Construction Sequencing

Each Plan shall clearly identify the expected sequence of major construction activities on the site, including but not limited to installation of erosion and sediment control measures, clearing, grubbing, grading, cut and fill operations, drainage and utility installation, and paving and stabilization operations. This section shall include an estimated timetable for all activities which shall be revised in accordance with subdivision (4) of this section as necessary. Wherever possible, the site shall be phased to avoid the disturbance of over five acres at one time. The Plan shall clearly show the limits of disturbance for the entire activity and for each phase. Any Plan that shows a site disturbance of over ten acres total (regardless of phasing) requires submittal of the Plan to the department, in accordance with subsection (b)(3)(C) of this section.

(C) Controls

Each Plan shall include a description of appropriate controls and measures that will be performed at the site to prevent pollution of the waters of the state. The Plan shall clearly describe for each major activity identified in subsection (b)(6)(B) of this section, the appropriate control measures and the timing during the construction process that the measures would be implemented. (For example, perimeter controls for one portion of the site will be installed after the clearing and grubbing necessary for installation of the measure, but before the clearing and grubbing for the remaining portions of the site. Perimeter controls will be actively maintained until final stabilization of those portions of the site upgradient of the perimeter control. Temporary perimeter controls will be removed after final stabilization.) Controls shall be designed in accordance with the Guidelines. Use of controls to comply with subsection (b)(6)(C)(i) of this section that are not included in the Guidelines must be approved by the commissioner or his designated agent. The description of controls shall address the following minimum components:

(i) Erosion and Sediment Controls

1) Stabilization Practices

The Plan shall include a description of interim and permanent stabilization practices, including a schedule for implementing the practices. Site plans shall ensure that existing vegetation is preserved where attainable and that disturbed portions of the site are stabilized. Stabilization practices may include but not be limited to: silt fences, temporary seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative

buffer strips, protection of trees, preservation of mature vegetation, and other vegetative and non-structural measures as may be identified by the Guidelines. Where construction activities have permanently ceased or have temporarily been suspended for more than seven days, or when final grades are reached in any portion of the site, stabilization practices shall be implemented within three days. Areas that will remain disturbed but inactive for at least thirty days shall receive temporary seeding in accordance with the Guidelines. Areas that will remain disturbed beyond the planting season, shall receive long-term, non-vegetative stabilization sufficient to protect the site through the winter. In all cases, stabilization measures shall be implemented as soon as possible in accordance with the Guidelines. Areas to be graded with slopes steeper than 3:1 (horizontal:vertical) and higher than fifteen (15) feet shall be graded with appropriate slope benches in accordance with the Guidelines.

2) Structural Practices

The Plan shall include a description of structural practices to divert flows away from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from the site. Such practices include but may not be limited to earth dikes (diversions), drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, outlet protection, reinforced soil retained systems, gabions, and temporary or permanent sediment basins and chambers. Unless otherwise specifically approved in writing, structural measures shall be installed on upland soils.

At a minimum, for discharge points that serve an area with between two (2) and five (5) disturbed acres at one time, a sediment basin, sediment trap, or other control as may be defined in the Guidelines for such drainage area, designed in accordance with the Guidelines, shall be designed and installed. All sediment traps or basins shall provide a minimum of 134 cubic yards of water storage per acre drained and shall be maintained until final stabilization of the contributing area. This requirement shall not apply to flows from off-site areas and flows from the site that are either undisturbed or have undergone final stabilization where such flows are diverted around the sediment trap or basin. Any exceptions must be approved in writing by the commissioner.

For discharge points that serve an area with more than five (5) disturbed acres at one time, a sediment basin designed in accordance with the Guidelines, shall be designed and installed, which basin shall provide a minimum of 134 cubic yards of water storage per acre drained and which basin shall

be maintained until final stabilization of the contributing area. This requirement shall not apply to flows from off-site areas and flows from the site that are either undisturbed or have undergone final stabilization where such flows are diverted around the sediment basin. Outlet structures from sedimentation basins shall not encroach upon a wetland. Any exceptions must be approved in writing by the commissioner.

3) Maintenance

Maintenance shall be performed in accordance with the Guidelines, provided that, if additional maintenance is required to protect the waters of the state from pollution, the Plan shall include a description of the procedures to maintain in good and effective operating conditions all erosion and sediment control measures, including vegetation, and all other protective measures identified in the site plan.

(ii) Dewatering Wastewaters

Where feasible and appropriate, dewatering wastewaters shall be infiltrated into the ground. Dewatering wastewaters discharged to surface waters shall be discharged in a manner that minimizes the discoloration of the receiving waters. Each plan shall include a description of the operational and structural practices that will be used to ensure that all dewatering wastewaters will not cause scouring or erosion or contain suspended solids in amounts that could reasonably be expected to cause pollution of waters of the State.

(iii) Post Construction Stormwater Management

Each plan must include a description of measures that will be installed during the construction process to control pollutants in stormwater discharges that will occur after construction operations have been completed. Unless otherwise specifically provided by the commissioner in writing, structural measures shall be placed on upland soils. This general permit only addresses the installation of stormwater management measures, and not the ultimate operation and maintenance of such structures included in such measures after the construction activities have been completed and the site has undergone final stabilization. The following measures must be implemented:

1) For construction activities initiated after October 1, 1992, the permittee shall install post-construction stormwater management measures designed to remove suspended solids and floatables (i.e., oil and grease, other floatable liquids, floatable solids, trash, etc.) from stormwater. A goal of 80 percent removal of total sediment load from the stormwater discharge shall be used in designing and installing stormwater management measures. Such measures may include but are not

limited to: stormwater detention structures (including wet ponds); stormwater retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff on-site; vegetated buffer strips; sediment removal chambers or structures; and sequential systems (which combine several practices). Provisions shall be included to address the maintenance of any system installed.

2) Velocity dissipation devices shall be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., maintenance of hydrologic conditions, such as the hydrodynamics present prior to the initiation of construction activities).

3) Any site which has a post-construction stormwater discharge located less than 500 feet from a tidal wetlands which is not a fresh-tidal wetland, shall discharge such stormwater through a system designed to retain the volume of stormwater runoff generated by 1 inch of rainfall on the site.

(iv) Other Controls

A description of other controls used at the site. The following controls must be implemented:

1) Waste Disposal

A description of best management practices to be performed at the site, which practices shall ensure that no litter, debris, building materials, or similar materials are discharged to waters of the State.

2) Off-site vehicle tracking of sediments and the generation of dust shall be minimized.

3) All post-construction stormwater structures shall be cleaned of construction sediment and any remaining silt fence shall be removed prior to filing of a termination notice pursuant to Section 5 of this general permit.

(D) Inspection

A description of the inspection procedures that must be addressed and implemented in the following manner:

Qualified personnel (provided by the permittee) shall inspect disturbed areas of the construction activity that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site at least once every seven calendar days and within twenty-four (24)

hours of the end of a storm that is 0.1 inches or greater. Where sites have been temporarily or finally stabilized, such inspection shall be conducted at least once every month for three months.

(i) Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures shall be observed to ensure that they are operating correctly. Where discharge locations or points are assessable, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site sediment tracking.

(ii) Based on the results of the inspection, the description of potential sources and pollution prevention measures identified in the Plan shall be revised as appropriate as soon as practicable after such inspection. Such modifications shall provide for timely implementation of any changes to the site within twenty-four (24) hours and implementation of any changes to the Plan within three (3) calendar days following the inspection. The Plan shall be revised and the site controls updated in accordance with sound engineering practices, the Guidelines, and subdivisions (4) and (6)(C)(i) 3) of this section.

(iii) A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the Plan, and actions taken shall be made and retained as part of the Plan for at least three years after the date of inspection. The report shall be signed by the permittee or his/her authorized representative in accordance with the requirements of Section 6(h) of this general permit.

(E) Contractors

(i) The Plan shall clearly identify each contractor and subcontractor that will perform actions on the site which may reasonably be expected to cause or have the potential to cause pollution of the waters of the State, and shall include a copy of the certification statement shown below signed by each such contractor and subcontractor. All certifications shall be included in the Plan.

(ii) Subdivisions

Where individual lots in a subdivision or other common plan of development are conveyed or otherwise the responsibility of another contractor, those individual lot contractors shall be required to comply with the provisions of this general permit and shall sign the certification statement below regardless of lot size or disturbed area.

The permittee shall provide a copy of the Plan to each of these contractors.

(iii) Certification Statement

The Plan shall include the following certification signed by each contractor and subcontractor identified in the Plan as described above:

"I certify under penalty of the law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as a contractor or subcontractor at the site, I am authorized by this general permit, and must comply with the terms and conditions of this general permit, including but not limited to the requirements of the Stormwater Pollution Control Plan prepared for the site."

The certification shall include the name and title of the person providing the signature; the name, address and telephone number of the contracting firm; the address (or other identifying description) of the site; and the date the certification is made.

(c) Reporting and Record Keeping Requirements

(1) The permittee shall retain copies of the Plan and all reports required by this general permit, and records of all data used to complete the registration to be authorized by this general permit, for a period of at least three years from the date that construction at the site is completed unless the commissioner specifies another time period in writing.

(2) The permittee shall retain an updated copy of the Plan required by this general permit at the construction site from the date construction is initiated at the site until the date construction at the site is completed.

(3) Upon completion of construction for sites authorized by the General Permit for the Discharge of Stormwater Associated with Commercial Activity or the General Permit for the Discharge of Stormwater Associated with Industrial Activity, the Plan shall be kept as an appendix to the Stormwater Management Plan or Stormwater Pollution Prevention Plan (as applicable) for a period of at least three years from the date of completion of construction.

(d) Regulations of Connecticut State Agencies Incorporated into this General Permit

The permittee shall comply with the following Regulations of Connecticut State Agencies which are hereby incorporated into this general permit, as if fully set forth herein:

(1) Section 22a-430-3:

Subsection (b) General - subparagraph (1)(D) and subdivisions (2),(3),(4) and (5)
Subsection (c) Inspection and Entry
Subsection (d) Effect of a Permit - subdivisions (1) and (4)

Subsection (e) Duty to Comply
Subsection (f) Proper Operation and Maintenance
Subsection (g) Sludge Disposal
Subsection (h) Duty to Mitigate
Subsection (I) Facility Modifications, Notification - subdivisions (1) and (4)
Subsection (j) Monitoring, Records and Report Requirements - subdivisions (1), (6), (7), (8), (9) and (11) (except subparagraphs (9) (A) (2) and (9) (c)
Subsection (k) Bypass
Subsection (m) Effluent Limitation Violations
Subsection (n) Enforcement
Subsection (p) Spill Prevention and Control
Subsection (q) Instrumentation, Alarms, Flow Recorders
Subsection (r) Equalization

(2) Section 22a-430-4

Subsection (t) Prohibitions
Subsection (p) Revocation, Denial, Modification
Appendices

(e) Reliance on Registration

In evaluating the registrant's registration, the commissioner has relied on information provided by the registrant. If such information proves to be false or incomplete, the registrant's authorization may be suspended or revoked in accordance with law, and the commissioner may take any other legal action provided by law.

(f) Duty to Correct and Report Violations

Upon learning of a violation of a condition of this general permit, a permittee shall immediately take all reasonable action to determine the cause of such violation, correct and mitigate the results of such violation, prevent further such violation, and report in writing such violation and such corrective action to the commissioner within five (5) days of the permittee's learning of such violation. Such information shall be filed in accordance with the certification requirements prescribed in Section 6(h) of this general permit.

(g) Duty to Provide Information

If the commissioner requests any information pertinent to the authorized activity or to compliance with this general permit or with the permittee's authorization under this general permit, the permittee shall provide such information within fifteen (15) days of such request. Such information shall be filed in accordance with the certification requirements prescribed in Section 6(h) of this general permit.

(h) Certification of Documents

Any document, including but not limited to any notice, information or report, which is submitted to the commissioner under this general permit shall be signed by the permittee, or a duly authorized representative of the permittee, and by the individual or individuals responsible for actually preparing such document, each of whom shall certify in writing as follows:

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

(i) Date of Filing

For purposes of this general permit, the date of filing with the commissioner of any document is the date such document is received by the commissioner. The word "day" as used in this general permit means the calendar day; if any date specified in the general permit falls on a Saturday, Sunday, or legal holiday, such deadline shall be the next business day thereafter.

(j) False Statements

Any false statement in any information submitted pursuant to this general permit may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes.

(k) Correction of Inaccuracies

Within fifteen (15) days after the date a permittee becomes aware of a change in any information in any material submitted pursuant to this general permit, or becomes aware that any such information is inaccurate or misleading or that any relevant information has been omitted, such permittee shall correct the inaccurate or misleading information or supply the omitted information in writing to the commissioner. Such information shall be filed in accordance with the certification requirements prescribed in Section 6(h) of this general permit.

(l) Transfer of Authorization

Authorizations under this general permit are non-transferable. However, any person or municipality registering a discharge that has previously been registered under this general permit may adopt by reference the Plan developed by the previous permittee. The new permittee shall amend the Plan as required pursuant to Section 6(b)(4) prior to submitting a new registration.

(m) Other Applicable Law

Nothing in this general permit shall relieve the permittee of the obligation to comply with any other applicable federal, state and local law, including but not limited to the obligation to obtain any other authorizations required by such law.

(n) Other Rights

This general permit is subject to and does not derogate any present or future rights or powers of the State of Connecticut and conveys no rights in real or personal property nor any exclusive privileges, and is subject to all public and private rights and to any federal, state, and local laws pertinent to the property or activity affected by such general permit. In conducting any activity authorized hereunder, the permittee may not cause pollution, impairment, or destruction of the air, water, or other natural resources of this state. The issuance of this general permit shall not create any presumption that this general permit should or will be renewed.

Section 7. Commissioner's Powers

(a) Abatement of Violations

The commissioner may take any action provided by law to abate a violation of this general permit, including but not limited to penalties of up to $25,000 per violation per day under Chapter 446k of the Connecticut General Statutes, for such violation. The commissioner may, by summary proceedings or otherwise and for any reason provided by law, including violation of this general permit, revoke a permittee's authorization hereunder in accordance with Sections 22a-3a-2 through 22a-3a-6, inclusive, of the Regulations of Connecticut State Agencies. Nothing herein shall be construed to affect any remedy available to the commissioner by law.

(b) General Permit Revocation, Suspension, or Modification

The commissioner may, for any reason provided by law, by summary proceedings or otherwise, revoke or suspend this general permit or modify to establish any appropriate conditions, schedules of compliance, or other provisions which may be necessary to protect human health or the environment.

(c) Filing of an Individual Application

If the commissioner notifies a permittee in writing that such permittee must obtain an individual permit if he wishes to continue lawfully conducting the authorized activity, the permittee must file an application for an individual permit within thirty (30) days of receiving the commissioner's notice. While such application is pending before the commissioner, the permittee shall comply with the terms and conditions of this general permit and the subject approval of registration. Nothing herein shall affect the commissioner's power to revoke a permittee's authorization under this general permit at any time.

Issued Date: April 8, 2004

ARTHUR J. ROCQUE, JR.
Commissioner

This is a true and accurate copy of the general permit modified on April 8, 2004 by the Commissioner of the Department of Environmental Protection.

APPENDIX B

GENERAL PERMIT REGISTRATION

General Permit Registration Form for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Please complete this form in accordance with the general permit (DEP-PERD-GP-015) in order to ensure the proper handling of your registration. Print or type unless otherwise noted. You must submit the *Permit Application Transmittal Form* (DEP-APP-001) and the registration fee along with this form.

DEP USE ONLY
Application No. _____
Permit No. _____
Facility I.D. _____

Part I: Registration Type

Enter a check mark in the appropriate box identifying the registration type

This registration is for (check one):	Please identify any existing permit number in the space provided:
☒ A *new* general permit registration	Existing permit number:
☐ A *modification* of an existing general permit	***GSN***

Part II: Fee Information

☐ ***Registration only***	A registration fee of $500.00 is to be submitted with *each* registration that you are submitting at least 30 days before the initiation of construction activities.
☒ ***Registration and Plan Review***	All construction projects that result in the disturbance of ten or more acres require the submittal of a Stormwater Pollution Control Plan and a $500.00 plan review fee. The plan and the fee must be submitted 30 days prior to initiation of the construction activity. $500.00 registration fee + $500.00 review fee = $1,000.00 total fee

For municipalities, a 50% discount applies. The registration will not be processed without the fee. The fee shall be non-refundable and shall be paid by certified check or money order payable to the Department of Environmental Protection.

Part III: Registrant Information

1. Fill in the name of the registrant(s) as indicated on the *Permit Application Transmittal Form* (DEP-APP-001):

   Registrant: **State of Connecticut Department of Education**

   Phone: **860-807-2181** ext. Fax: **860-713-7257**

   ☐ Enter a check mark if there are co-registrants. If so, label and attach additional sheet(s) with the required information as supplied above

Part III: Registrant Information (cont.)

2. List primary contact for departmental correspondence and inquiries, if different than the registrant.

Name: **Fred Connolly**

Mailing Address: **Department of Public Works,165 Capitol Avenue, Room 473**

City/Town: **Hartford** State: **CT** Zip Code: **06106**

Business Phone: **860-713-5823** ext. Fax: **860-713-7257**

Site Phone: Emergency Phone:

Contact Person: Title: **DPW Project Manager**

Association (e.g. developer, general or site contractor, etc.):

3. List owner of the property on which the activity will take place, if different from registrant:

Name:

Mailing Address:

City/Town: State: Zip Code:

Business Phone: ext. Fax:

Contact Person: Title:

4. List developer, if different from registrant or primary contact:

Name:

Mailing Address:

City/Town: State: Zip Code:

Business Phone: ext. Fax:

Contact Person: Title:

5. Name and address of general contractor:

Name:

Mailing Address:

City/Town: State: Zip Code:

Business Phone: ext. Fax:

Site Phone: Off-hours Phone:

Contact Person: Title:

6. List any engineer(s) or other consultant(s) employed or retained to assist in preparing the registration and Stormwater Pollution Plan.

☐ Please enter a check mark if additional sheets are necessary, and label and attach them to this sheet.

Name: **Stantec Consulting**

Mailing Address: **2321 Whitney Avenue**

City/Town: **Hamden** State: **CT** Zip Code: **06518**

Business Phone. **203.281.1350** ext. Fax: **203.281.1470**

Contact Person: **Phil Katz** Title: **Senior Project Manager**

Service Provided: **Engineering**

Part IV: Site Information

1. Site or Project Name (if any): **Eli Whitney CTHSS**

   Street Address or Description of Location: **71 Jones Road**

   City/Town: **Hamden** State: **CT** Zip Code: **06514**

2. Brief description of construction activity: **Excavation and grading activities to construct school addition, parking and utilitities.**

3. Start Date: Anticipated Completion Date:

4. Estimated total number of acres to be disturbed:

Part V: Stormwater Discharge Information

1. Where does stormwater discharge to:

   ☒ Municipal Separate Storm System? ☒ Yes ☐ No (Name):

   ☐ Surface water body or wetlands? ☐ Yes ☒ No (Name):

2. Is the discharge located less than 500 feet from a tidal wetland, which is not a fresh-tidal wetland?

   ☐ Yes ☒ No

3. Name of the watershed where the site is located OR nearest waterbody to which it discharges:

   West River

4. Is construction in accordance with the Guidelines established under Section 22a-329 of the Soil Erosion and Sedimentation Act? ☒ Yes ☐ No

5. Is construction in accordance with local soil erosion and sediment ordinances? ☒ Yes ☐ No

   Note: A copy of this registration and the Stormwater Pollution Control Plan must be available to the town wetlands enforcement officials, wetlands commission, or their equivalent.

6. Will the construction project disturb over ten acres? ☒ Yes ☐ No

   If yes, enclose a copy of the Stormwater Pollution Control Plan and plan review fee.

7. Has the construction project been reviewed for compliance with the following DEP programs?

   a. Coastal Management Act (Section 22a-92 of the Connecticut General Statutes) ☒ Yes ☐ No

   b. Endangered and Threatened Species (Section 26-306 of the Connecticut General Statutes) ☒ Yes ☐ No

   c. State and Federal Historic Preservation statutes? ☐ Yes ☒ No

Part VI: Supporting Documents

Please enter a check mark by the attachments as verification that *all* applicable attachments have been submitted with this registration form When submitting any supporting documents, please label the documents as indicated in this part (e.g., Attachment A, etc) and be sure to include the registrant's name as indicated on the *Permit Application Transmittal Form*.

☒	Attachment A:	An 8 1/2" x 11" copy of the relevant portion or a full-sized original of a USGS Quadrangle Map indicating the exact location of the facility or site. Indicate the quadrangle name on the map. (To obtain a copy of the relevant USGS Quadrangle Map, call your town hall or DEP Maps and Publications Sales at 860-424-3555.)
☒	Attachment B:	A copy of the Stormwater Pollution Control Plan and plan review fee of $500.00, if the construction project disturbs over 10 acres

Part VII: Environmental Professional Certification

The following certification must be signed by a professional engineer, licensed to practice in Connecticut.

"I certify that I have thoroughly and completely reviewed the Stormwater Pollution Control Plan for the site. I further certify, based on such review and in my professional judgment, that the Stormwater Pollution Control Plan has been prepared in accordance with the Connecticut Guidelines for Soil Erosion and Sediment Control, as amended, and the conditions for the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities and the controls required for such Plan are appropriate for the site. I am aware that there are significant penalties for false statements in this certification, including the possibility of fine and imprisonment for knowingly making false statements."

Signature of Professional Engineer

Date

Name of Professional Engineer (print or type)

P. E. Number (if applicable)

Affix P. E. Stamp Here

Part VIII: Registrant Certification

The registrant *and* the individual(s) responsible for actually preparing the registration must sign this part. A registration will be considered incomplete unless all required signatures are provided.

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I certify that this general permit registration is on complete and accurate forms as prescribed by the commissioner without alteration of the text. I understand that a false statement made in the submitted information may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute.

I also certify under penalty of law that I have read and understand all conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities, that all conditions for eligibility for authorization under the general permit are met, all terms and conditions of the general permit are being met for all discharges which have been initiated and are the subject of this registration, and that a system is in place to ensure that all terms and conditions of this general permit will continue to be met for all discharges authorized by this general permit at the site. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowingly making false statements."

Signature of Registrant	Date
Name of Registrant (print or type)	Title (if applicable)
Signature of Preparer (if different than above)	Date
Name of Preparer (print or type)	Title (if applicable)

☐ Please enter a check mark if additional signatures are necessary
If so, please reproduce this sheet and attach signed copies to this sheet.

Note: Please submit the *Permit Application Transmittal Form*, the Registration Form, Fee(s), and all Supporting Documents to:

CENTRAL PERMIT PROCESSING UNIT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
79 ELM STREET
HARTFORD, CT 06106-5127

Note: If discharging to municipal separate storm sewer, send a copy of this completed registration form to the owner or operator of that system

If discharging to a public drinking water supply watershed or aquifer area, send a copy of this completed registration form to the appropriate water company

APPENDIX C

PROJECT DRAWINGS

Titie Sheet
CP-1.1 through CP3.0 Phasing Plan
C-1 Existing Conditions
C-2 Demolition Plan
C-3 Site Plan
C-4 Grading/Drainage/Utilities
C-5 Landscape Plan
C-6 Soil Erosion and Sediment Control
C-7 Sediment and Erosion Control Details

STORMWATER POLLUTION CONTROL PLAN

APPENDIX D

INSPECTION AND MAINTENANCE REPORT FORM

ELI WHITNEY CTHSS
STORMWATER POLLUTION CONTROL PLAN
INSPECTION AND MAINTENANCE REPORT FORM

To be completed every 7 days and within 24 hours of a rainfall event of 0.1 inches or more.

If additional pages or sketches are attached, check here: ☐.

If items are not applicable, enter "N/A" at the applicable item.

Inspectors Names: _____ Inspection Date: _____

Weather Conditions: _____

Days Since Last Rainfall: Amount of Last Rainfall: ____ inches

Description of Area	Stabilization Measures		Problems Identified	Corrective Actions Taken & Date
	Acceptable	Unacceptable		
Vegetated Areas				
Temporary Sediment Basin				
Sediment Filter Fence				
Haybale Erosion Checks				
Stone Construction Entrances				
Temporary Soil Stockpile Area				

STORMWATER POLLUTION CONTROL PLAN

APPENDIX E

CONTRACTOR/SUB-CONTRACTOR CERTIFICATIONS

STORMWATER POLLUTION CONTROL PLAN

CONTRACTOR/SUB-CONTRACTOR CERTIFICATION

ELI WHITNEY CTHSS,
by CTDPW
165 Capital Avenue
Hartford, CT 06106

"I certify, under penalty of the law that I have read and understand the terms and conditions of the General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities. I understand that as a contractor or subcontractor on the site, I am authorized by this general permit, and must comply with the terms and conditions of this permit, including but not limited to the requirements of the Stormwater Pollution Control Plan prepared for the site."

Name of Contractor/Sub-Contractor	Signature
Address	Title
Phone Number	Date

STORMWATER POLLUTION CONTROL PLAN

APPENDIX F

NOTICE OF TERMINATION FORM

General Permit for the Discharge of Stormwater and Dewatering Wastewaters from Construction Activities

Notice of Termination Form

Please complete and submit this form in accordance with the general permit (DEP-PED-GP-015) in order to ensure the proper handling of your termination. Print or type unless otherwise noted.

Note: Ensure that for commercial and industrial facilities, registrations under the *General Permit for the Discharge of Stormwater Associated with Industrial Activity* (DEP-PED-GP-014) or the *General Permit for the Discharge of Stormwater from Commercial Activities* (DEP-PED-GP-004) have been filed where applicable. For questions about the applicability of these general permits, please call the Department at 860-424-3018.

Part I: Registrant Information

1. Permit number: ***GSN***
2. Fill in the name of the registrant(s) as indicated on the registration certificate:

   Registrant: **State of Connecticut Department of Education**
3. Site Address: **71 Jones Road**

   City/Town: **Hamden** State: **CT** Zip Code: **06514**
4. Date all storm drainage structures were cleaned of construction sediment:

   Date of Completion of Construction:

   Date of Last Inspection (must be at least three months after final stabilization pursuant to Section 6(b)(6)(D) of the general permit):
5. Check the post-construction activities at the site (check all that apply):

   ☐ Industrial ☐ Residential ☐ Commercial ☐ Capped Landfill

   ☒ Other (describe): **Public Education**

Part II: Certification

"I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that, based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief I understand that a false statement made in this document or its attachments may be punishable as a criminal offense, in accordance with Section 22a-6 of the Connecticut General Statutes, pursuant to Section 53a-157b of the Connecticut General Statutes, and in accordance with any other applicable statute."

Signature of Permittee _____ Date _____

Name of Permittee (print or type) _____ Title (if applicable) _____

Note: Please submit this Notice of Termination Form to:

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

00 31 52

Statement of Special Inspections

Statement of Special Inspections

CASE Council of American Structural Engineers

Project: *Additions and Renovations to Eli Whitney CTHSS (DPW Project No. BI-RT-837)*

Location: *71 Jones Road; Hamden, CT 06046*

Owner: *State of Connecticut Department of Public Works*

Owner's Address: *165 Capitol Avenue/Rm. 470*
Hartford, CT 06106

Design Professional in Responsible Charge: *The Di Salvo Ericson Group*
63 Copps Hill Rd.; Ridgefield, CT 06877

Architect of Record: *Antinozzi Associates*
271 Fairfield Avenue; Bridgeport, CT 06604

This *Statement of Special Inspections* is submitted as a condition for permit issuance in accordance with the Special Inspection and Structural Testing requirements of the Building Code. It includes a schedule of Special Inspection services applicable to this project as well as the name of the Special Inspection Coordinator and the identity of other approved agencies to be retained for conducting these inspections and tests. This *Statement of Special Inspections* encompass the following disciplines:

☒ Structural ☐ Mechanical/Electrical/Plumbing
☐ Architectural ☐ Other: _____

The Special Inspection Coordinator shall keep records of all inspections and shall furnish inspection reports to the Building Official and the Registered Design Professional in Responsible Charge. Discovered discrepancies shall be brought to the immediate attention of the Contractor for correction. If such discrepancies are not corrected, the discrepancies shall be brought to the attention of the Building Official and the Registered Design Professional in Responsible Charge. The Special Inspection program does not relieve the Contractor of his or her responsibilities.

Interim reports shall be submitted to the Building Official and the Registered Design Professional in Responsible Charge.

A *Final Report of Special Inspections* documenting completion of all required Special Inspections, testing and correction of any discrepancies noted in the inspections shall be submitted prior to issuance of a Certificate of Use and Occupancy.

Job site safety and means and methods of construction are solely the responsibility of the Contractor.

Interim Report Frequency: *10 Weeks* or ☐ per attached schedule.

Prepared by:

Nils V. Ericson, P. E., Principal
(type or print name)

Signature 3·14·2008 Date

STATE OF CONNECTICUT
NILS V. ERICSON
No. 9750
REGISTERED
PROFESSIONAL ENGINEER
Design Professional Seal

Owner's Authorization:

Signature Date

Building Official's Acceptance:

Signature Date

Project: *Additions and Renovations to Eli Whitney CTHSS (DPW Project No. BI-RT-837)*

Schedule of Inspection and Testing Agencies

Statement of Special Inspections includes the following building systems:

- ☒ Soils and Foundations
- ☒ Cast-in-Place Concrete
- ☒ Precast Concrete
- ☐ Shotcrete
- ☒ Masonry Level 1
- ☐ Masonry Level 2
- ☒ Structural Steel
- ☐ Cold-Formed Steel Framing
- ☐ Prefabricated Cold-Formed Trusses
- ☐ Prefabricated Wall Panels
- ☐ Spray Fire Resistant Material
- ☐ Wood Construction
- ☐ Prefabricated Wood Trusses
- ☐ Exterior Insulation and Finish System
- ☐ Mechanical & Electrical Systems
- ☐ Architectural Systems
- ☐ Special Cases

Special Inspection Agencies	Firm	Address, Telephone
1. Special Inspector		
2 Testing Laboratory - pre-approved list.. See notes below.		
3 Geotechnical Engineer		

Notes:
The inspection and testing agent shall be engaged by the Owner or the Owner's Agent, and not by the Contractor or Subcontractor whose work is to be inspected or tested. Any conflict of interest must be disclosed to the Building Official, prior to commencing work.

In accordance with the provisions of Section 29-276b of the Connecticut General Statutes, the inspection and testing agent shall be accredited by the National Voluntary Laboratory Accreditation Program (NAVLAP) of the National Institute of Standards and Technology and shall have a professional engineer, licensed in the State of Connecticut, certify their inspection and testing reports with professional seal and signature.

Seismic Design Category: *C*

Basic Wind Speed (3 Second Gust): *110*

Wind Exposure Category: *B*

Project: *Additions and Renovations to Eli Whitney CTHSS (DPW Project No. BI-RT-837)*

Qualifications of Inspectors and Testing Technicians

The qualifications of all personnel performing Special Inspection and testing activities are subject to the approval of the Building Official. The credentials of all Inspectors and testing technicians shall be provided if requested.

Key for Minimum Qualifications of Inspection Agents:

When the Registered Design Professional in Responsible Charge deems it appropriate that the individual performing a stipulated test or inspection have a specific certification or license as indicated below, such designation shall appear below the *Agency Number* on the Schedule.

PE/SE	Structural Engineer – a licensed SE or PE specializing in the design of building structures
PE/GE	Geotechnical Engineer – a licensed PE specializing in soil mechanics and foundations.
EIT	Engineer-In-Training – a graduate engineer who has passed the Fundamentals of Engineering examination

American Concrete Institute (ACI) Certification

ACI-CFTT	Concrete Field Testing Technician – Grade 1.
ACI-CCI	Concrete Construction Inspector
ACI-LTT	Laboratory Testing Technician – Grade 1&2.
ACI-STT	Strength Testing Technician.

American Welding Society (AWS) Certification

AWS-CWI	Certified Welding Inspector.
AWS/AISC-SSI	Certified Structural Steel Inspector

American Society of Non-Destructive Testing (ASNT) Certification

ASNT	Non-Destructive Testing Technician – Level II or III

International Code Council (ICC) Certification

ICC-SMSI	Structural Masonry Special Inspector
ICC-SWSI	Structural Steel and Welding Special Inspector
ICC-SFSI	Spray-Applied Fireproofing Special Inspector
ICC-PCSI	Prestressed Concrete Special Inspector
ICC-RCSI	Reinforced Concrete Special Inspector

National Institute for Certification in Engineering Technologies (NICET)

NICET-CT	Concrete Technician – Levels I, II, III & IV
NICET-ST	Soils Technician - Levels I, II, III & IV
NICET-GET	Geotechnical Engineering Technician - Levels I, II, III & IV

Exterior Design Institute (EDI) Certification

EDI-EIFS	EIFS Third Party Inspector

Other

SCSI	Smoke Control Special Inspector
PE/ME	Mechanical/Electrical/Plumbing Engineer – a licensed PE specializing in the design of mechanical, electrical and plumbing building systems
RA	Registered Architect specializing in the design of architectural building systems

Soils and Foundations

Project: *Additions and Renovations to Eli Whitney CTHSS (DPW Project No. BI-RT-837)*

Item	Agent No. (Qualif.)	Scope
1. Site Preparation	*3 (PE or EIT)*	***Section 1704.7.1. Site preparation.*** *Prior to placement of the prepared fill, determine that the site has been prepared in accordance with the approved soils report, as stated in Section 1803.5. Inspect soils below footings for adequate bearing capacity and consistency with the approved soils report, as stated in Section 1803.5.*
2. Controlled Structural Fill	*3 (PE or EIT)*	***Section 1704.7.2. During fill placement.*** *During placement and compaction of the fill material, determine that the material being used and the maximum lift thickness comply with the approved soils report, as stated in Section 1803.5. Verify extent and slope of fill placement.*
	2	***Section 1803.5. Compacted fill material.*** *Perform sieve tests and modified Proctor tests of each source of fill material. Through testing, verify that the compacted fill to be used under footings and under slabs complies with the approved soils report, as stated in Section 1803.5.*
	2 or 3	***Section 1704.7.3. Evaluation of in-place density.*** *Review that the in-place dry density of the compacted fill complies with the approved soils report, as stated in Section 1803.5.*
3. Deep Foundations	*3 (PE or EIT)*	***Section 1704.8. Pile Foundations.*** *A continuous presence when pile foundations are being installed and during tests. Review and log pile driving operations. Provide a driving record of the installation of each pile and results of load tests. Records shall include the cutoff tip elevation of each pile relative to a permanent reference, pile driving resistance, and compliance with driving criteria. Also, inspect piles for damage from driving and plumbness. Verify pile size, length and accessories.*
4. Other	*3 (PE or EIT)*	*Within the building perimeter, observe placement of underslab and perimeter drainage elements, including crushed stone, perforated pipes, and geocomposite drains.*

Cast-in-Place Concrete

Project: *Additions and Renovations to Eli Whitney CTHSS (DPW Project No. BI-RT-837)*

Item	Agent No. (Qualif.)	Scope
1. Mix Design	*1 (PE or EIT)* *2 (ACI)*	***Table 1704.4.4.*** *Review concrete mix design submittals for all classes of concrete specified on the structural drawings. Reference standard ACI 318: Ch.4, 5.2-5.4. IBC Reference Sections 1904, 1905.2-1905.4, 1914.2 and 1914.3.* *Review concrete batch tickets and verify compliance with approved mix design. Verify that water added at the site does not exceed that allowed by the mix design.*
2. Material Certification	*1 (PE or EIT)*	***Section 1704.4.1. Materials.*** *Review material certificates of compliance or other acceptable documentation for all materials used in the concrete mix designs for conformance with ACI 318 Chapter 3. In the absence of sufficient data or documentation providing evidence of conformance to quality standards of materials in chapter 3 of ACI 318, materials shall be tested in accordance with the appropriate standards and criteria.*
3. Reinforcement Installation	*1*	***Table 1704.4.1.*** *Review the following percentages of installed reinforcement for compliance with approved shop drawings, project specifications and ACI 318: Ch. 3.5, 7.1-7.7. IBC Reference Sections 1903.5, 1907.1, 1907.7 and 1914.: Footings 50%, Foundation Walls 50%, Retaining Walls 50%, Slabs on Grade 50%, Elevated Slabs 50%,*
4. Post-Tensioning Operations		*Not applicable*
5. Anchor Rods	*1 & 2 (ACI)*	*Review 50% of cast-in-place anchors for anchor materials, size, positioning, spacing, edge distance and embedment for compliance with approved shop drawing. Review concrete placement and consolidation around anchors as per "Concrete Placement" section of this Statement.* *Review 75% of post-installed mechanical and adhesive anchors and adhesive dowels for anchor and dowel materials, adhesive materials, size, positioning, spacing, edge distance and embedment for compliance with approved contract documents. Review drilled holes (for proper preparation, size, depth and cleaning), and anchor and dowel installation for compliance with manufacturer's requirements. Proof test 5% of post-installed anchors as per manufacturer's recommendations.* *Initial review by Special Inspector with Testing Lab present, followed by reviews by Testing Lab.*
6. Concrete Placement	*2 (ACI)*	***Table 1704.4.6.*** *Continuous inspection of concrete placement for proper application techniques as specified in ACI 318: 5.9 and 5.10. IBC Reference Sections 1905.9, 1905.10, 1914.6, 1914.7 and 1914.8. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.*
7. Sampling and Testing of Concrete	*2 (ACI)*	***Table 1704.4.5.*** *Make one strength test for each 50 cubic yards or fractions thereof from each mix design of concrete placed in any one day. (ASTM C 172, ASTM C 31, ASTM C39). Also, test each specimen for slump (ASTM C143), air content (ASTM C231 or C173), and temperature (ASTM C1064). ACI Reference ACI 318: Ch. 5.6 and 5.8. IBC Reference Sections 1905.6 and 1914.10.*

Cast-in-Place Concrete

Project: *Additions and Renovations to Eli Whitney CTHSS (DPW Project No. BI-RT-837)*

8. Curing and Protection	*2 (ACI)*	***Table 1704.4.7.*** *Review periodically for maintenance of specified curing temperature and protection techniques, in accordance with ACI 318: 5.11-5.13. IBC Sections 1905.11, 1905.13 and 1914.9. Further, when hot weather concrete conditions exist, verify that the procedure outlined in ACI 305R for Hot Weather Concreting is followed. These conditions will exist when the rate of evaporation approaches 0.21 lb./ft.^{2}/hr. For Cold Weather Concreting, follow ACI 306.1 standard spec.*
9. Other		

Precast Concrete

Project: *Additions and Renovations to Eli Whitney CTHSS (DPW Project No. BI-RT-837)*

Item	Agent No. (Qualif.)	Scope
1 Fabricator/Plant Certification / Quality Control Procedures ☐ Fabricator Exempt	*1 (PE or EIT)* *1 (PE or EIT) & 2 (ACI) (For Shop Inspection)* *1*	***Section 1704.2.*** *Verify whether Fabricator holds a current PCI certification If so, special inspections as required by Section 1704.2 shall not be required. If not, perform the following:* *Prior to fabrication, verify that the fabricator maintains detailed fabrication and quality control procedures that provide a basis for inspection control and workmanship and the fabricator's ability to conform to the approved construction documents and referenced standards. Review the procedures for completeness and adequacy relative to the code requirements for the fabricator's scope of work.* *At the completion of fabrication, the approved fabricator shall submit a certificate of compliance to the code official stating that the work was performed in accordance with the approved construction documents.*
2. Mix Design	*1 (PE or EIT)*	***Table 1704.4.4.*** *Review concrete mix design submittals for all classes of concrete specified on the structural drawings. Reference standard ACI 318: Ch.4, 5.2-5.4. IBC Reference Sections 1904, 1905.2-1905.4, 1914.2 and 1914.3. Review concrete batch operations and verify compliance with approved mix design.*
3. Material Certification	*1 (PE or EIT)*	***Section 1704.4.1. Materials.*** *Review material certificates of compliance or other acceptable documentation for all materials used in the concrete mix designs for conformance with ACI 318 Chapter 3. In the absence of sufficient data or documentation providing evidence of conformance to quality standards of materials in chapter 3 of ACI 318, materials shall be tested in accordance with the appropriate standards and criteria.*
4. Reinforcement Installation	*1 & 2 (ACI)*	***Table 1704.4.1.*** *Periodically review the installed reinforcement for compliance with approved shop drawings, project specifications and ACI 318: Ch. 3.5, 7.1-7.7. IBC Reference Sections 1903.5, 1907.1, 1907.7 and 1914. Initial review by Special Inspector with Testing Lab present, followed by reviews by Testing Lab.*
5. Prestress Operations	*1 (PE or EIT)*	***Table 1704.4.8.*** *Inspection of pre-stressed concrete: Continuous inspection of application of pre-stressing forces. Continuous inspection of grouting of bonded pre-stressing tendons in the seismic-force-resisting system. Referenced Standard ACI 318: 18.20 and 18.18.4.*
6. Connections / Embedded Items	*1 & 2 (ACI)*	***Table 1704.4.3.*** *Review 100% (required) of bolts to be installed in concrete prior to and during placement of concrete where allowable loads have been increased. IBC Reference Section 1912.5. Initial review by Special Inspector with Testing Lab present, followed by reviews by Testing Lab.*

Precast Concrete (cont'd.)

Project: *Additions and Renovations to Eli Whitney CTHSS (DPW Project No. BI-RT-837)*

7. Concrete Placement	*2 (ACI)*	***Table 1704.4.6.*** *Continuous inspection of concrete placement for proper application techniques as specified in ACI 318: 5.9 and 5.10. IBC Reference Sections 1905.9, 1905.10, 1914.6, 1914.7 and 1914.8. Verify that concrete conveyance and depositing avoids segregation or contamination. Verify that concrete is properly consolidated.*
8. Sampling and Testing of Concrete	*2 (ACI)*	***Table 1704.4.5.*** *Make one strength test for each 50 cubic yards or fractions thereof from each mix design of concrete placed in any one day. (ASTM C 172, ASTM C 31, ASTM C39). Also, test each specimen for slump (ASTM C143), air content (ASTM C231 or C173), and temperature (ASTM C1064). ACI Reference ACI 318: Ch. 5.6 and 5.8. IBC Reference Sections 1905.6 and 1914.10.*
9. Curing and Protection	*2 (ACI)*	***Table 1704.4.7.*** *Review periodically for maintenance of specified curing temperature and protection technique, in accordance with ACI 318: 5.11-5.13. IBC Reference Sections 1905.11, 1905.13 and 1914.9. Further, when hot weather concrete conditions exist, verify that the procedure outlined in ACI 305R for Hot Weather Concreting is followed. These conditions will exist when the rate of evaporation approaches 0.21 lb./ft.^{2}/hr. For Cold Weather Concreting, follow ACI 306.1 standard spec.*
10. Erected Precast Elements	*1* *2 (ACI)*	***Table 1704.4.9.*** *Inspect erected precast concrete frame for member configuration and details to verify compliance with approved shop drawings. ACI Reference ACI 318: Ch.16.* *Inspect erected precast concrete frame connections, welding and grouting to verify compliance with approved shop drawings. ACI Reference ACI 318: Ch.16.*
11. Other		

Masonry – Level 1 for non-essential facilities

Project: *Additions and Renovations to Eli Whitney CTHSS (DPW Project No. BI-RT-837)*

Item	Agent No. (Qualif.)	Scope *Section 1704.5.2: the below is for non-essential facilities. See Section 1704.5.3 for essential facilities.*
1. Material Certification	*1 (PE or EIT)*	***Table 1704.5.1.6.*** *Review all material submittals for each type of structural masonry unit, mortar, grout, reinforcement and admixtures specified for conformance with the Specification for Masonry Structures (ACI 530.1-02/ASCE 6-02/TMS 602-02) Sections 1.5, 2.1, 2.2, 2.3 and 2.4. Verify installed materials conform to approved samples on site.*
2. Mixing of Mortar and Grout	*1 & 2 (ACI)*	***Table 1704.5.1.1.a.; Table 1704.5.1.3.c.*** *Conduct sufficient number of periodic field reviews of mortar and grout proportioning, mixing and consistency to establish conformance with the Specification for Masonry Structures (ACI 530.1-02/ASCE 6-02/TMS 602-02) Section 2.6 and the construction document. Mortar and grout shall be mixed using a measuring box for accurate proportioning. See Item 5 for the required review percentages. Initial review by Special Inspector with Testing Lab present, followed by reviews by Testing Lab.*
3. Installation of Masonry	*1 & 2 (ACI)*	***Table 1704.5.1.2.a.*** *Conduct sufficient number of periodic field reviews of masonry unit and mortar installation to establish conformance with the Specification for Masonry Structures (ACI 530.1-02/ASCE 6-02/TMS 602-02) Section 3.3 and the construction documents. See Item 5 for the required review percentages. Initial review by Special Inspector with Testing Lab present, followed by reviews by Testing Lab.*
4. Mortar Joints	*1 & 2 (ACI)*	***Table 1704.5.1.1.b.; Table 1704.5.1.3.d.*** *Conduct sufficient number of periodic field reviews of the construction of mortar joints, including tooling and filling of joints, to establish conformance with the Specification for Masonry Structures (ACI 530.1-02/ASCE 6-02/TMS 602-02) Section 3.3B and the construction documents. Verify that the maximum bed joint is 5/8". See Item 5 for the required review percentages. Initial review by Special Inspector with Testing Lab present, followed by reviews by Testing Lab.*
5. Reinforcement Installation	*1 & 2 (ACI)*	***Table 1704.5.1.1.c.; Table 1704.5.1.2.c.; Table 1704.5.1.3.b.*** *Conduct sufficient number of periodic field reviews of reinforcement installation to establish conformance with Building Code Requirements for Masonry Structures (ACI 530-02/ASCE 5-02/TMS 402-02) Sec. 1.12 and the Specification for Masonry Structures (ACI 530.1-02/ASCE 6-02/TMS 602-02) Sections 2.4, 3.4, 3.6A and the construction documents: shear walls, bearing walls and exterior walls a minimum of 50%, partitions walls a minimum of 25% Initial review by Special Inspector with Testing Lab present, followed by reviews by Testing Lab.*
6. Grouting Operations	*1 & 2 (ACI)*	***Table 1704.5.1.4.; Table 1704.5.1.3.a.*** *Review 95% of all grouting for conformance with the Specification for Masonry Structures (ACI 530.1-02/ASCE 6-02/TMS 602-02) Sections 3.5, 3.2D and the construction documents. Verify that grout space is clean and inspect clean-outs for high-lift grouting. Initial review by Special Inspector with Testing Lab present, followed by reviews by Testing Lab.*

Masonry – Level 1 for non-essential facilities (cont'd.)

Project: *Additions and Renovations to Eli Whitney CTHSS (DPW Project No. BI-RT-837)*

7. Weather Protection	*1 & 2 (ACI)*	***Table 1704.5.1.2.e.*** *Conduct field reviews periodically of completed masonry protection in accordance with the construction documents. Further, when the ambient temperature is below 40° F or above 90° F, review protection for conformance with the Specification for Masonry Structures (ACI 530.1-02/ASCE 6-02/TMS 602-02) Section 1.8, IBC Sections 2104.3, 2104.4 and the construction documents. Verify wall cavities are protected against precipitation. See Item 5 for the required review percentages. Initial review by Special Inspector with Testing Lab present, followed by reviews by Testing Lab.*
8. Evaluation of Masonry Strength	*2 (ACI)*	*Units to be tested in accordance with ASTM C140.* ***Table 1704.5.1.5.*** *Prism test method not required, since the Unit Strength Method for specifying masonry components is used as detailed in the Specification for Masonry Structures (ACI 530.1-02/ASCE 6-02/TMS 602-02) Section 1.4.B.2.b and IBC Section 2105.2.2.1.2. See Item 2 above.*
9. Anchors	*1 & 2 (ACI)*	***Table 1704.5.1.2.b.*** *Review 50% of anchorages to structural members, frames and other construction to verify conformance with the Building Code Requirements for Masonry Structures (ACI 530-02/ASCE 5-02/TMS 402-02) Sections 1.2.2(e), 2.1.4, 3.1.6 and the construction documents. Initial review by Special Inspector with Testing Lab present, followed by reviews by Testing Lab.*
10. Other		

Structural Steel

Project: *Additions and Renovations to Eli Whitney CTHSS (DPW Project No. BI-RT-837)*

Item	Agent No. (Qualif.)	Scope
1. Fabricator Certification / Quality Control Procedures ☐ Fabricator Exempt	*1 (PE or EIT)* *1 (PE or EIT) & 2 (AWS)(For Shop Inspection)*	***Section 1704.2.*** *Verify whether Fabricator holds a current AISC certification for Standard for Steel Buildings Structures (STD). If so, special inspections as required by Section 1704.2 shall not be required. If not, perform the following:* *Prior to fabrication, verify that the fabricator maintains detailed fabrication and quality control procedures that provide a basis for inspection control and workmanship and the fabricator's ability to conform to the approved construction documents and referenced standards. Review the procedures for completeness and adequacy relative to the code requirements for the fabricator's scope of work.*
2. Material Certification	*2 (AWS)* *1 (EIT)*	***Table 1704.3.1; Table 1704.3.3; Table 1704.3.4.*** *Intermittent observation of 50% of structural steel, high-strength bolts, nuts, washers and weld filler materials for proper materials identification markings for (conformance with ASTM standards specified in the approved contract documents. The inspector shall be present in the area where the work has been or is being performed, and also at the completion of the work.* *Review structural steel manufacturer's certified mill test reports; high-strength bolts, nuts, washers and weld filler materials for manufacturer's certificate of conformance with ASTM standards specified in the approved contract documents.*
3. Open Web Steel Joists	*1*	*Visual inspection of the erected joists and joist girders to verify compliance with the bracing requirements of the Steel Joist Institute. Verify that web stiffeners are in conformance with the approved contract documents.*
4. Bolting	*2 (AWS)*	***Section 1704.3.; Table 1704.3.2.*** *High-strength, bearing–type connections: Intermittent observation of 50% of bolted connections for required size, location and number of bolts and also for contact of plies. The minimum bolt tension, method of tightening and method of inspecting installed bolts shall be as specified in AISC "Specifications for Structural Joints Using ASTM A-325 or A-490 Bolts", and the commentary that follows. Use of a calibrated torque wrench on a previously tightened bolt is not an acceptable method of inspection.* *High-strength, slip-critical connections: continuous observation of all bolted connections for required size, location and number of bolts. Verify that the specified procedure for installation is properly used for tightening bolts.*

5. Welding	*2 (AWS)*	*Prior to fabrication, verify that Welding Procedures Specifications (WPS) are followed and are performed by qualified welders, both in the shop and in the field.*
		Section 1704.3.1.; Table 1704.3.5.
	2 (ASNT)	*Complete and partial penetration groove welds: submit all Prequalified Complete and/or Partial Joint Penetration Joint Details. Utlrasonic test 100% of all welds.*
	2 (AWS)	*Multi-pass fillet welds: visual inspection of 100% of all shop welds if fabricator is not certified as noted in Item 1. Visual inspection of 100% of all welds and all passes being performed every third working day if fabricator is certified as noted in Item 1. Visual inspection of 100% of all field welds and all passes. Magnetic particle test 5% of all field welds for each pass.*
	2 (AWS)	*Single-pass fillet welds larger than $^{5}/_{16}$": see Multi-pass fillet welds for details except that there is only a single pass to be inspected. Also, Magnetic particle test 10% of all field welds.*
	2 (AWS)	*Single pass fillet welds smaller than $^{5}/_{16}$": visual inspection of 50% of all shop welds if fabricator is not certified as noted in Item 1; this percentage may be reduced after fabrication starts if approved by the SER. Visual inspection of 50% of all welds being performed every third working day if fabricator is certified as noted in Item 1; this percentage may be reduced after fabrication starts if approved by the SER. Visual inspection of 50% of all field welds. Magnetic particle test 5% of all field welds.*
	2 (AWS)	*All Welds: Submit welder Qualification record (WQR) including location, position, torch, size and type of weld along with verification of welder's certification. Before welding starts, confirm that fit-up base metal tolerances are in conformance with AWS D1.1; see above for the required percentage*
6. Shear Connectors	*2 (AWS)*	*Section 1704.3. Inspect 10% of all connectors for weld quality in accordance with AWS D1.1-00 Chapter 7 procedure. Test 50% of connectors by "ringing" with a hammer. Perform a pre-production test in conformance with Chapter 7 and qualify the operator in conformance with Chapter 7.* *Inspect 50% of girders and 50% of beams receiving shear studs for quantity, size and spacing of studs.*
7. Structural Details	*1*	***Section 1704.3.2; Table 1704.3.6.*** *Visual inspection of the erected steel frame to verify compliance with details shown on the approved construction documents, such as bracing, stiffening, member locations and proper application of joint details at each connection.*
8. Metal Deck	*2 (AWS)*	*Verify that welders are certified in accordance with AWS D1.3-98. Inspect 50% of weldments and side-lap fastening for required size, location and number for conformance with the approved contract documents.*
9. Other		

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Geotechnical Sinkhole Report and Remediation

GEOTECHNICAL ENGINEERING REPORT
SINKHOLE REMEDIATION
ELI WHITNEY CTHSS
HAMDEN, CONNECTICUT

by

Haley & Aldrich, Inc.
East Hartford, Connecticut

for

Antinozzi Associates, PC
Bridgeport, Connecticut

File No. 31771-001
November 2007

HALEY & ALDRICH

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HALEY & ALDRICH

6 December 2007
File No. 31771-001

Antinozzi Associates, PC
271 Fairfield Avenue
Bridgeport, Connecticut 06604

Attention: David C. Ferris

Subject: Sinkhole Remediation
Eli Whitney Regional Vocational Technical School
Hamden, Connecticut

Ladies and Gentlemen:

This report provides the results of our geotechnical engineering investigation for the sinkhole which has developed at the south end of the proposed softball field area. Our services were provided in accordance with our proposal dated 2 July 2007, as authorized by you.

SUMMARY

In summary, our borings confirm the sinkhole is associated with deep, loose and unsuitable fill placed when the site was originally graded for the existing fields, and indicate the approximate area needing remediation. To prevent significant future settlement and sinkhole development, we recommend that dynamic compaction be implemented to compact the loose fill. We estimate the construction cost of dynamic compaction to be in the range of $151,000 to $182,000. An alternative to ground improvement is to do nothing, with the expectation of long term maintenance and associated costs for regrading areas of continued settlement and sinkhole development. Our detailed report follows.

INTRODUCTION

This investigation was undertaken to obtain information on subsurface soil and groundwater conditions and to provide geotechnical remediation recommendations for the sinkhole area.

The scope of geotechnical engineering services included:

- review data in our file including existing test boring data, historic contours prior to filling, and the planned site development
- plan and monitor a subsurface exploration program
- perform geotechnical analyses to determine probable cause of the sinkhole
- evaluate ground improvement options and approximate costs, and recommend a method for the repair
- prepare specifications for the selected ground improvement method.

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ELEVATION DATUM

Elevations in this report are in feet and refer to the NAVD 1988 Datum.

FIELD INVESTIGATIONS

Recent Explorations

On 23 and 24 October 2007, New England Boring Contractors of Connecticut, Inc. drilled 8 test borings (SB1 through SB8), in the vicinity of the sinkhole at the locations shown on the attached Figure 2. Eight borings were drilled from 14 to 38 ft in depth. The explorations were monitored by our geologist. The boring locations are shown on Figure 2 and the logs are included in Appendix A. We located the borings at the site by taping from features on the site plan. Ground surface elevations at the borings were estimated from topographic contours on the site plan.

Previous Explorations

One boring identified as B20 was drilled at the south end of the track on 8 February 2006 during the geotechnical investigation conducted for the proposed building addition at the school. The boring log is included in Appendix B.

SITE AND SUBSURFACE CONDITIONS

Site Conditions

A sinkhole has developed at the south end of the proposed field area, which requires repair prior to the field's construction. A review of the 1954 contour plan shows original grades in this area were as low as El. 30, about 28 ft below present grade. This portion of the site was filled when the school was developed. A possible cause of the sinkhole is migration of the sandy fill into voids in the lower part of the fill which contains a large amount of wood. Another possible cause is long-term settlement of very loose deep fill placed without significant compaction. For reference, we've included the 1954 ground contours in the area on Figure 2.

Subsurface Conditions

Generalized descriptions of materials encountered during the recent explorations, in order of increasing depth, are as follow:

Fill – Very loose to medium dense brown fine SAND ranging to coarse to fine SAND, with varying amounts of silt and gravel, and trace brick and wood. Borings SB1, SB2, SB3 and SB7 encountered 23 to 28 ft of primarily loose fill. At SB4, SB5, and SB6 the fill is 2 to 4 ft thick, and fill was not encountered in SB8.

Outwash Sands - Loose to very dense brown medium to fine SAND, trace silt, grading to silty fine SAND and sandy SILT with depth.

Bedrock was not encountered. According to the USGS mapping data, bedrock is estimated to range from 100 to 200 ft deep.

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This information agrees well with the 1954 contour plan, which shows grades in this area as low as El. 30, about 28 ft below present grade.

Groundwater Conditions

Groundwater was encountered at depths ranging from 28 to 29 ft in the borings drilled in the vicinity of the sinkhole area at the south end of the proposed field area. Water level ranges from El.30 to El.30.5 at the referenced area. These data were obtained immediately after drilling and may not represent stabilized water levels. Groundwater levels will fluctuate with season, precipitation and nearby construction activity.

GEOTECHNICAL REMEDIATION RECOMMENDATIONS

General

The analyses and recommendations in this report are based in part upon data obtained from the referenced explorations. The nature and extent of variations between the explorations may not become evident until construction. If variations then appear evident, it will be necessary to reevaluate the recommendations of this report.

Cause of Sinkhole

The subsurface conditions as encountered at the borings indicate that the fill was placed in an uncontrolled manner when the school was developed. The uncontrolled loose fill extends to depths of up to 28 ft below the surface. Over the years, the fill settled due to consolidation of the loose sandy soil, and due to collapse of soil into voids. We've outlined the area of the loose fill as shown on Figure 2, which is approximately 30,000 sq ft in extent.

Remediation

In order to provide a stable subgrade to construct the proposed softball field, we recommend that a ground improvement technique consisting of dynamic compaction (DC) be implemented prior to the construction of the softball field. We considered other methods including vibratory probe compaction, compaction grouting, and aggregate piers. Compared with DC, these options are considerably more costly, take longer to implement, and are not recommended.

An option to ground improvement is to do nothing, with the expectation of long term maintenance and associated costs for regrading areas of continued settlement and sinkhole development.

Dynamic Compaction

Dynamic Compaction is achieved by dropping a tamper from a certain height on a selected pattern; thereby introducing energy to compact the underlying heterogeneous fill into a rather uniform, less compressible subgrade. Considering the subsurface condition at the site, DC will compact the loose granular fill, thus reducing the void space and compacting the loose sand. Prior to DC, the topsoil within the area indicated on Figure 2 should be stripped. After completion of DC, the improved area elevations would be expected to drop by about 2 to 3 ft below present grades.

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An estimated 2,800 to 3,400 cu yd of fill must be placed to relevel the site after DC. We understand there is an estimated 8,300 cu yd of excess cut on the project, therefore on site soil will be available for the backfill, avoiding the need to import borrow material.

DC would be performed in a 10 to 15 ft sq. grid pattern. It is preliminarily estimated that a 10-ton weight tamper with a 5 ft diameter footprint, dropped from 50 ft with a minimum of 10 drops at the corners of the grid (as first pass) and 10 drops on the center of the grid (as second pass) would compact the subgrade to provide a satisfactory bearing stratum and subgrade for the facilities. After two passes, a final ironing pass would compact the loosened material near the surface.

Specification

Dynamic compaction is procured from specialty contractors using a performance-type specification. The specification establishes criteria to be met, such as the soil density to be achieved, property to be protected, initial testing program, and maximum off-site vibrations. The contractor designs a program to meet the performance criteria, including the tamper weight, drop height and spacing, number of drops per grid point. Test borings are drilled with Standard Penetration Tests to confirm the specified ground improvement has been achieved. The field work is monitored by a geotechnical engineer.

An outline specification is provided for the proposed DC ground improvement technique in Appendix C. If it is decided to implement DC for the project, we will prepare a detailed specification.

Fill Placement and Compaction Criteria

Fill and backfill should be compacted to a minimum 92 percent compaction in accordance with ASTM D1557. This additional fill can be compacted during the dynamic compaction's final ironing pass, or in lifts by vibratory roller.

Vibrations Induced During DC Operation

Several structures exist in the vicinity of the project site. The surrounding developments to remain include school buildings, public roads, and two-story condominium buildings. As such, care should be maintained while commencing DC operation to ensure that transmitted vibrations are low and do not damage nearby buildings or facilities.

When the tamper impacts the ground, steady state vibrations are generated and transmitted beyond the point of impact (drop location). When performing DC within the interior of a large site, the off site effects of the ground vibrations are usually negligible. However, when DC is conducted near the edges of the property in developed area such as the subject site, ground vibrations can be transmitted into the adjacent facilities and in some instances may cause annoyance or structural damage. Therefore, we recommend monitoring vibrations during construction especially during DC operation to confirm that vibrations are not detrimental to the adjacent structures. Vibrations at adjacent buildings should be limited in accordance with the U.S. Bureau of Mines criteria to prevent damage to buildings from ground vibrations as attached in Appendix D.

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We recommend commencing several tamper drop trials at the center of the improvement area, and away from existing structures to record vibrations at various distances and establish a safe zone with acceptable vibrations away from existing structures. Depending on the field conditions, vibration reduction measures may be implemented at the site such as trenches to minimize the induced vibrations.

DC must be designed to maintain ground vibrations at safe levels at the condominiums located approximately 25 ft west of the site, and about 40 ft from the area of recommended ground improvement. To reduce this risk of vibration impacts to the buildings, the specified degree and depth of ground improvement can be relaxed near the west property line. To reduce vibration levels, the DC design can be modified near this edge of the site by reducing the drop height (thereby reducing the energy put into the ground) and increasing the number of drops per point. Also, if further modifications are required based on vibration monitoring, an isolation trench can be excavated inside the west property boundary opposite the buildings. The trench would be about 9 ft deep and would serve to interrupt the surface waves, significantly reducing off site impacts.

Pre and Post-construction Surveys

Due to the proximity of the existing structures, if DC is implemented as a subsurface improvement measure, we recommend that a pre-construction and post construction survey of adjacent buildings be conducted to document conditions relevant to potential damage claims, especially at the adjacent condominiums. We recommend these surveys be the responsibility of the contractor and be specified in the dynamic compaction specification.

Cost Estimate

We estimate the construction cost associated with the recommended dynamic compaction to be as follows:

DC ground improvement operation:	$110,000	to	$132,000
Backfill to restore the improved area:	$14,000	to	$17,000
Vibration control trench (if needed):	$27,000	to	$33,000
Total:	$151,000	to	$182,000

As noted above, DC is typically procured on a lump sum basis. Placement of backfill to compensate for settlement should be paid on a unit price basis due to the uncertainty in predicting the settlement magnitude. The upper bound cost for this backfill is based on an estimated settlement of 3 ft corresponding to 3,400 cu yd for the area of improvement. As noted above, the backfill will be obtained from site excavations.

Construction Observation

The recommendations contained in this report are based on known and predictable behavior of properly engineered and constructed facilities. We recommend that Haley & Aldrich perform full time monitoring of the geotechnical aspects of construction based on our experience and

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familiarity with design concepts and subsurface conditions. Construction phase services should include observing and monitoring DC ground improvement, including monitoring vibrations during the work.

Field observations are intended to confirm compliance with the design concepts and specifications and to allow design changes in the event that subsurface conditions differ from those anticipated prior to construction.

FINAL COMMENTS

This report has been prepared for specific application to the Eli Whitney CTHSS. In the event that changes in the nature, design, or location of structures are planned, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing.

The analyses and recommendations submitted in this report are based in part upon data obtained from referenced explorations. The nature and extent of variations between the explorations may not become evident until construction. If variations then appear evident, it will be necessary to reevaluate the recommendations of this report.

This report has been prepared for specific application to this project in accordance with generally accepted soil engineering practices. In the event that changes in the nature, design or location of the project occurs, the conclusions and recommendations contained in this report should not be considered valid unless the changes are reviewed and conclusions of this report modified or verified in writing.

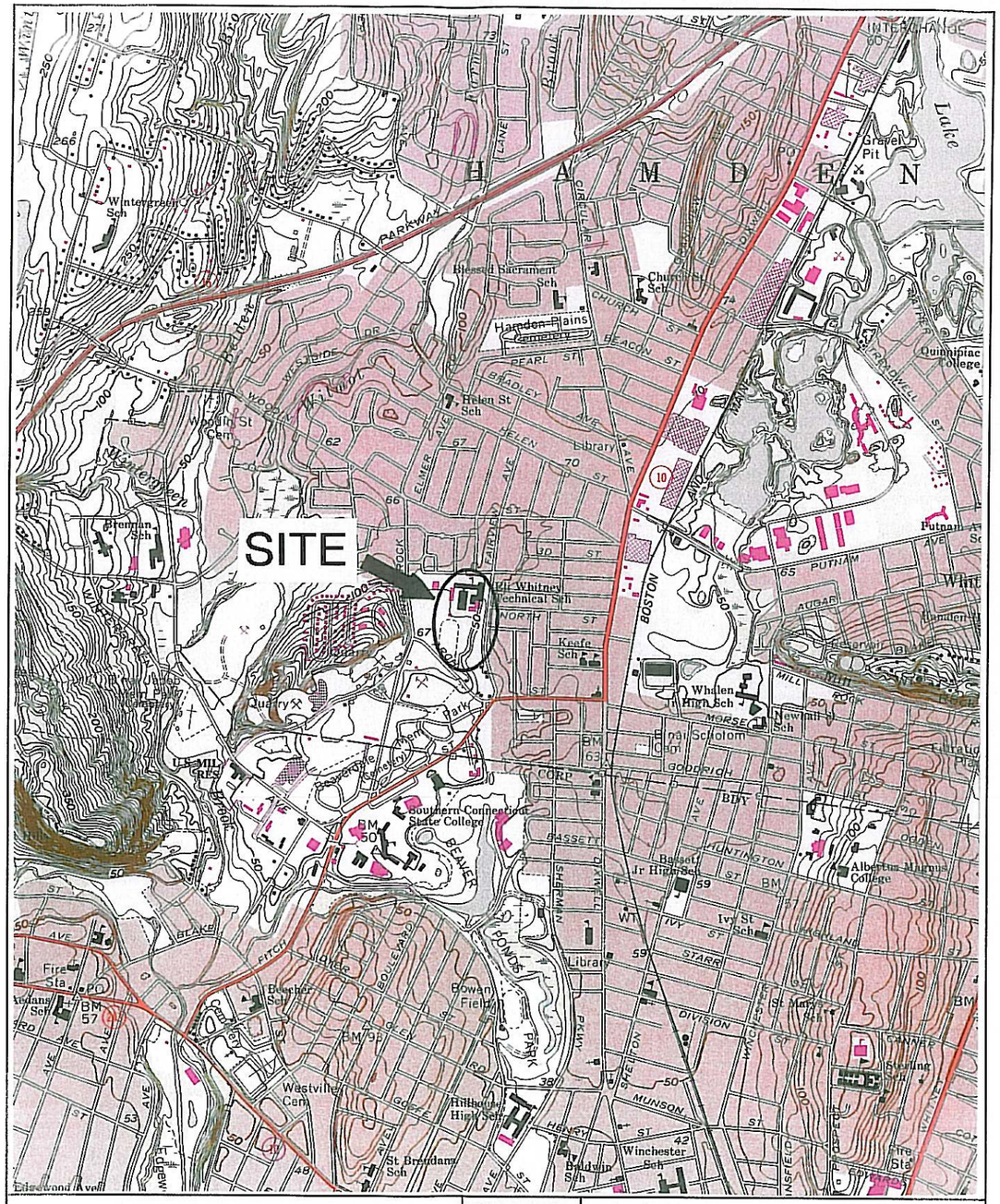
We appreciate the opportunity to undertake these geotechnical engineering services and look forward to our continued assistance on this project. In the meantime, please call if you have any questions or require additional information.

Sincerely yours,
HALEY & ALDRICH, INC.

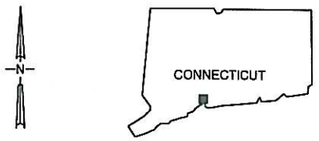
John P. Dugan, Jr., P.E.
Senior Vice President

Nejm E. Jundi, P.E.
Senior Engineer

Attachments:
- Figure 1 - Project Locus
- Figure 2 - Subsurface Exploration Plan
- Appendix A – Logs of Recent Test Borings
- Appendix B – Logs of Previous Test Borings
- Appendix C – DC Outline Specifications
- Appendix D – Maximum Allowable Vibration Levels



SITE COORDINATES: 41.3426°N 72.9424°W



U.S.G.S. QUADRANGLE: NEW HAVEN, CONNECTICUT

HALEY & ALDRICH

UNDERGROUND ENGINEERING & ENVIRONMENTAL SOLUTIONS

ELI WHITNEY CTHSS
HAMDEN, CONNECTICUT

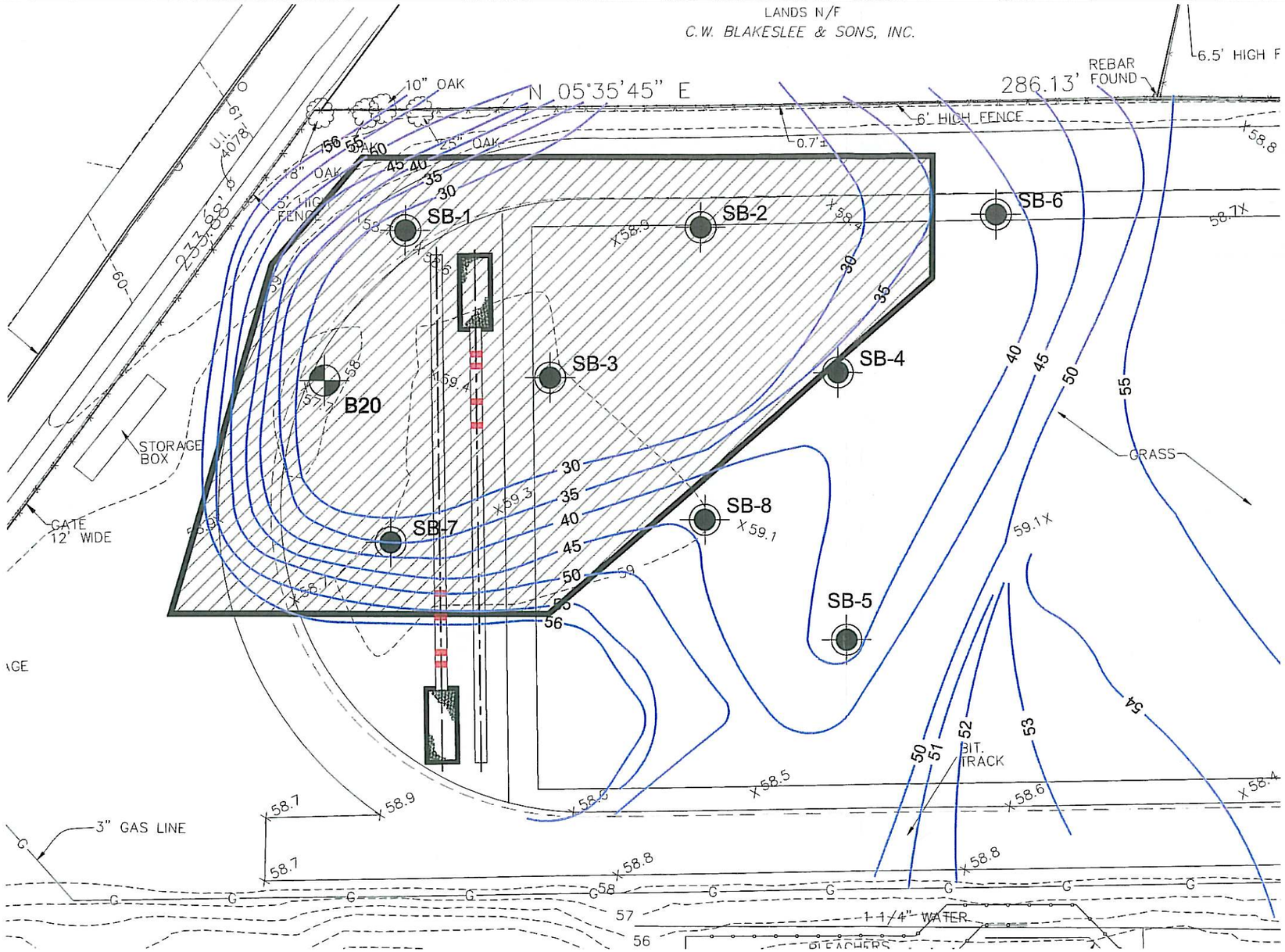
PROJECT LOCUS

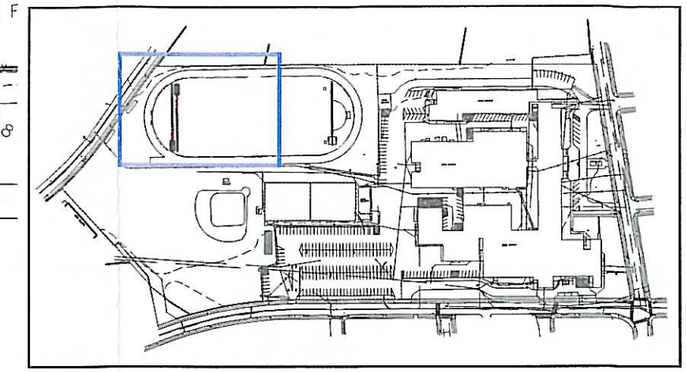
SCALE: 1:24,000

FEBRUARY 2006

31771-000 A02

FIGURE 1





KEYMAP

0 200 400 600 800
SCALE IN FEET

LEGEND

B1 — APPROXIMATE LOCATION AND DESIGNATION OF TEST BORING DRILLED BY NEW ENGLAND BORING CONTRACTORS OF CT, INC., GLASTONBURY, CONNECTICUT DATED 6 THROUGH 8 FEBRUARY 2005.

SB-1 — SINK HOLE BORING

50 — 1954 GRADES

RECOMMENDED AREA OF GROUND IMPROVEMENT

NOTE:

1. BASE PLAN ARE AUTOCAD DRAWINGS XBASE.DWG AND XBLDG.DWG DATED 5 JUNE 2006.

N W E S

0 20 40 60 80
SCALE IN FEET

HALEY & ALDRICH

ELI WHITNEY CTHSS
HAMDEN, CONNECTICUT

SINKHOLE BORING
LOCATION PLAN

SCALE: AS SHOWN
NOVEMBER 2007

FIGURE 2

G:\31771-000\DRAWINGS\31771-000-D10.DWG

APPENDIX A

Logs of Recent Test Borings

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-1

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 2
Start October 24, 2007
Finish October 24, 2007
Driller T. Roe
H&A Rep. S. Brousseau
Elevation 58.5
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head Drill Mud: None
Hammer Weight (lb)	-	140	-	Casing: Spun
Hammer Fall (in.)	-	30	-	Hoist/Hammer: Winch Safety Hammer PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0				58.2		
				0.3		-BITUMINOUS CONCRETE-
	10 14 12 11	S1 10	0.5 2.5		SP-SM	Medium dense red-brown SAND, trace silt and gravel
	9 12 14 14	S2 14	2.5 4.5			Similar to S1
5	5 4 4 5	S3 20	5.0 7.0		SP	Loose red-brown SAND, trace silt and fine gravel
	5 7 7 8	S4 18	7.0 9.0			Similar to S3, except medium dense
10	2 3 3 3	S5 14	10.0 12.0		SP	Loose red-brown medium to fine SAND, trace silt, coarse sand and fine gravel
	3 4 5 4	S6 14	12.0 14.0			Similar to S5
15	1 3 4 5	S7 8	15.0 17.0			Similar to S6
	4 3 5 8	S8 2	17.0 19.0			Gravel fragment lodged in spoon tip
				39.5 19.0		Note: Drill action indicates change at 19.0 ft
20						-FILL-

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/24/07	1430	0	25.0	29.0	28.0

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	29.0
Rock Cored (ft)	-
Samples	12S
Boring No.	SB-1

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING 07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-1
File No. 31771-001
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
20	8 5 4 4	S9 14	20.0 22.0		SP	Loose brown SAND, trace silt and gravel, with common fragments and particles of asphalt and ash`
	7 5 6 6	S10 18	22.0 24.0			Similar to S9, except medium dense
				35.5		-FILL-
				23.0	SP	Medium dense red-brown SAND, trace silt and fine gravel
25	3 6 6 7	S11 8	25.0 27.0		SP	Medium dense red-brown medium to fine SAND, trace silt, coarse sand and fine gravel
	6 6 8 10	S12 20	27.0 29.0		SP-SM	Medium dense red-brown to gray-brown SAND, trace silt, moist
				30.5 28.0	SM	Medium dense red-brown silty fine SAND, wet
				29.5 29.0		-OUTWASH DEPOSITS-
						Bottom of exploration at 29.0 ft
						Note: Borehole backfilled with drill cuttings upon completion and asphalt patch applied at surface

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. SB-1

H&A-TEST BORING-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-2

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 2
Start October 24, 2007
Finish October 24, 2007
Driller T. Roe
H&A Rep. S. Brousseau
Elevation 58.5
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head Drill Mud: None
Hammer Weight (lb)	-	140	-	Casing: Spun
Hammer Fall (in.)	-	30	-	Hoist/Hammer: Winch Safety Hammer PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0	2 4 8 10	S1 18	0.0 2.0	57.9 0.6		-TOPSOIL-
					SP-SM	Medium dense brown medium to fine SAND, little silt, trace coarse sand and fine gravel
	11 11 12 17	S2 20	2.0 4.0			Similar to S1
5	19 10 10 13	S3 16	5.0 7.0		SP-SM	Medium dense red-brown SAND, trace silt
	12 13 14 14	S4 20	7.0 9.0			Similar to S3, except trace gravel
				49.5 9.0		Note: Drill action indicates change at 9.0 ft
10	1 3 3 2	S5 15	10.0 12.0		SP-SM	Loose red-brown SAND, trace silt and fine gravel
	2 3 2 4	S6 16	12.0 14.0		SP-SM	Loose red-brown medium to fine SAND, trace silt
15	1 2 2 2	S7 16	15.0 17.0		SP-SM	Loose red-brown medium to fine SAND, trace silt, coarse sand and fine gravel
	2 2 3 3	S8 18	17.0 19.0			Similar to S7
20						-FILL-

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/24/07	1130	0	25.0	29.0	28.0

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	32.0
Rock Cored (ft)	-
Samples	13S

Boring No. SB-2

Field Tests: Dilatancy: R - Rapid S - Slow N - None Toughness: L - Low M - Medium H - High Plasticity: N - Nonplastic L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-2
File No. 31771-001
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
20	2 3 3 5	S9 14	20.0 22.0			Similar to S8
	3 5 5 7	S10 16	22.0 24.0			Similar to S9
25	13 11 7 7	S11 20	25.0 27.0		SP-SM	Medium dense red-brown SAND, trace silt and gravel
	7 7 9 18	S12 20	27.0 29.0			Similar to S12
				30.5		-FILL-
				28.0	ML	Medium dense gray-brown fine sandy SILT with few organics, wet
				30.3	SP	Medium dense gray SAND, trace silt, wet
				28.2		
30	13 15 12 13	S13 18	30.0 32.0		SP	Medium dense brown to gray-brown SAND, trace silt, wet
				26.5		-OUTWASH DEPOSITS-
				32.0		Bottom of exploration at 32.0 ft

Note: Borehole backfilled with drill cuttings upon completion

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. SB-2

H&A-TEST BORING-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-3

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 2
Start October 23, 2007
Finish October 23, 2007
Driller T. Roe
H&A Rep. J. Charter
Elevation 59.0
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head Drill Mud: None
Hammer Weight (lb)	-	140	-	Casing: Spun
Hammer Fall (in.)	-	30	-	Hoist/Hammer: Winch Safety Hammer PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0	4 6 12 19	S1 20	0.0 2.0	58.0 1.0		-TOPSOIL-
					SP-SM	Dense red-brown coarse to fine SAND, little medium to fine gravel, little silt, no odor, dry
	15 14 13 18	S2 21	2.0 4.0			Similar to S1 (below 1.0 ft)
5	10 9 11 10	S3 19	4.0 6.0		SP-SM	Dense red-brown coarse to fine SAND, little silt, trace medium to fine gravel, no odor, dry
	11 12 11 12	S4 21	6.0 8.0			Similar to S3
	7 8 8 8	S5 17	8.0 10.0			Similar to S4
10	8 11 9 8	S6 20	10.0 12.0			Similar to S5, except moist
	9 12 19 23	S7 4	12.0 14.0	46.0 13.0		Similar to S6
						Note: Drill action suggest change at 13.0 ft to denser material
15	8 5 6 5	S8 17	14.0 16.0			Similar to S7, except medium dense
	4 4 4 4	S9 19	16.0 18.0			Similar to S8, except loose
	3 3 4 3	S10 15	18.0 20.0			Similar to S9
20						-REWORKED NATURAL SOIL/FILL-

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
		Not Encountered			

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	26.3
Rock Cored (ft)	-
Samples	13S

Boring No. SB-3

Field Tests: **Dilatancy:** R - Rapid S - Slow N - None **Plasticity:** N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High **Dry Strength:** N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING 07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-3
File No. 31771-001
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
20	3 3 3 3	S11 16	20.0 22.0			Similar to S10, except brown to red-brown
	6 8 100/6	S12 14	22.0 23.5		SP-SM	Red-brown coarse to fine SAND, little silt, trace medium to fine gravel, no odor, moist Note: Spoon refusal at 23.5 ft on probable cobble
25	1 1 100/3	S13 5	25.0 26.3			Similar to S12, except cobbly material
				32.7 26.3		-REWORKED NATURAL SOIL/FILL-
						Bottom of exploration at 26.3 ft Note: Borehole backfilled with drill cuttings upon completion

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HAR HA-LIB07-R1 GLB HA-TB+CORE+WELL-07-1 GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1 GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-4

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 1
Start October 23, 2007
Finish October 23, 2007
Driller T. Roe
H&A Rep. J. Charter
Elevation 59.0
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head Drill Mud: None
Hammer Weight (lb)	-	140	-	Casing: Spun
Hammer Fall (in.)	-	30	-	Hoist/Hammer: Winch Safety Hammer PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0	2 4 9 50/1	S1 12	0.0 1.6	58.5 0.5	SP-SM	-TOPSOIL- Brown to red-brown coarse to fine SAND, little coarse to fine gravel, little silt, no odor, dry Note: Spoon refusal at 1.6 on probable cobble
	2 18 18 19	S2 14	2.0 4.0	55.0 4.0	SP-SM	Very dense red-brown coarse to fine SAND, little coarse to fine gravel, little silt, no odor, dry -FILL-
5	8 12 13 15	S3 17	4.0 6.0			Similar to S2, except dense
	13 14 14 16	S4 18	6.0 8.0			Similar to S3, except some stratification
	12 14 17 15	S5 16	8.0 10.0		SP-SM	Very dense red-brown coarse to fine SAND, little silt, trace medium to fine gravel, stratified, no odor, dry
10	8 13 14 13	S6 15	10.0 12.0			Similar to S5, except dense
	13 14 16 17	S7 18	12.0 14.0	45.0 14.0		Similar to S6 -OUTWASH DEPOSITS-
						Bottom of exploration at 14.0 ft Note: Borehole backfilled with drill cuttings upon completion

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
		Not Encountered			

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	14.0
Rock Cored (ft)	-
Samples	7S
Boring No.	SB-4

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HAR HA-LIB07-R1 GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-5

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 1
Start October 23, 2007
Finish October 23, 2007
Driller T. Roe
H&A Rep. J. Charter
Elevation 59.0
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head Drill Mud: None
Hammer Weight (lb)	-	140	-	Casing: Spun
Hammer Fall (in.)	-	30	-	Hoist/Hammer: Winch Safety Hammer PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0				58.5		-TOPSOIL-
	1 3 10 19	S1 18	0.0 2.0	0.5	SP-SM	Medium dense red-brown coarse to fine SAND, little medium to fine gravel, little silt, no odor, dry
	17 20 20 18	S2 20	2.0 4.0		SP-SM	Very dense red-brown coarse to fine SAND, little silt, trace medium to fine gravel, no odor, dry
				55.0		-FILL-
	15 18 17 17	S3 18	4.0 6.0	4.0		Similar to S2, except stratified
5	17 18 22 23	S4 20	6.0 8.0			Similar to S3
	15 19 23 31	S5 19	8.0 10.0			Similar to S4
10	27 35 38 32	S6 22	10.0 12.0			Similar to S5
	20 21 23 26	S7 20	12.0 14.0			Similar to S6
				46.0 13.0	SM	Very dense dark brown coarse to fine SAND, some silt, trace coarse to fine gravel, no odor, moist
				45.0 14.0		-OUTWASH DEPOSITS-

Bottom of exploration at 14.0 ft

Note: Borehole backfilled with drill cuttings upon completion

Water Level Data					
Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
		Not Encountered			

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary
Overburden (ft) 14.0
Rock Cored (ft) -
Samples 7S

Boring No. SB-5

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-6

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 1
Start October 24, 2007
Finish October 24, 2007
Driller T. Roe
H&A Rep. S. Brousseau
Elevation 59.5
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head Drill Mud: None
Hammer Weight (lb)	-	140	-	Casing: Spun
Hammer Fall (in.)	-	30	-	Hoist/Hammer: Winch Safety Hammer PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0	1 4 10 22	S1 22	0.0 2.0	58.7 0.8		-TOPSOIL-
					SM	medium dense red-brown SAND little silt, trace fine gravel
				57.5 2.0		-FILL-
	22 21 21 25	S2 20	2.0 4.0		SP-SM	Dense red-brown SAND, trace silt and fine gravel
5	9 15 18 19	S3 18	5.0 7.0		SP-SM	Dense reb-brown medium to fine SAND, trace silt, coarse sand and fine gravel
	17 19 24 26	S4 18	7.0 9.0		SP-SM	Dense red-brown medium to fine SAND, trace silt and coarse and
10	20 22 20 19	S5 19	10.0 12.0		SP-SM	Dense red-brown SAND, trace silt and fine gravel
	16 22 24 24	S6 20	12.0 14.0			Similar to S5
				45.5 14.0		-OUTWASH DEPOSITS-
						Bottom of exploration at 14.0 ft

Note: Borehole backfilled with drill cuttings upon completion

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
		Not Encountered			

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	14.0
Rock Cored (ft)	-
Samples	6S
Boring No.	SB-6

Field Tests: Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High
Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING.07-1 HAR HA-LIB07-R1.GLB HA-TB+CORE+WELL-07-1.GDT G:\PROJECTS\31771\001\DATABASE\2007-1024+HAI 31771-001TB G07-R1.GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-7

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 2
Start October 23, 2007
Finish October 24, 2007
Driller T. Roe
H&A Rep. J. Charter/S. Brousseau
Elevation 59.0
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head Drill Mud: None
Hammer Weight (lb)	-	140	-	Casing: Spun
Hammer Fall (in.)	-	30	-	Hoist/Hammer: Winch Safety Hammer PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0				58.5		-TOPSOIL-
	2 3 6 7	S1 16	0.0 2.0	0.5	SM	Loose brown to red-brown coarse to fine SAND, some silt, trace medium to fine gravel, no odor, dry
	6 6 5 5	S2 17	2.0 4.0		SP-SM	Medium dense brown to red-brown coarse to fine SANd, little silt, trace medium to fine gravel, no odor, dry
5	7 6 5 5	S3 22	4.0 6.0			Similar to S2, except red-brown
	6 9 7 5	S4 16	6.0 8.0			Similar to S3
	4 4 4 5	S5 17	8.0 10.0		SP-SM	Loose red-brown coarse to fine SAND, little silt, trace medium to fine gravel, no odor, dry
10	4 3 2 2	S6 18	10.0 12.0			Similar to S5, except with wood fragment
	2 2 2 1	S7 12	12.0 14.0			Similar to S6
15	1 1 5 5	S8 8	14.0 16.0			Similar to S7, except wood fragments in bottom half of sample
	6 100/6	S9 1	16.0 18.0			Concrete fragment
	2 1 1 4	S10 10	18.0 20.0			Cinder material mixed with concrete and wood fragments
20						-FILL-

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
10/23/07	0900	0	28.0	30.0	29.0

Sample ID: O - Open End Rod; T - Thin Wall Tube; U - Undisturbed Sample; S - Split Spoon Sample

Well Diagram: Riser Pipe; Screen; Filter Sand; Cuttings; Grout; Concrete; Bentonite Seal

Summary

Overburden (ft)	38.0
Rock Cored (ft)	-
Samples	19S
Boring No.	SB-7

Field Tests: Dilatancy: R - Rapid S - Slow N - None; Toughness: L - Low M - Medium H - High; Plasticity: N - Nonplastic L - Low M - Medium H - High; Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HAR HA-LIB07-R1 GLB HA-TB+CORE+WELL-07-1 GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1 GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-7
File No. 31771-001
Sheet No. 2 of 2

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
20	2 3 2 4	S11 14	20.0 22.0		SM	Loose dark brown to black silty SAND, little gravel with numerous fragments and particles of wood, glass and cinders
	2 5 6 7	S12 2	22.0 24.0			Glass and wood fragments
25	14 9 6 4	S13 10	24.0 26.0		SM	Medium dense red-brown SAND, little silt, trace gravel, with common fragments of concrete and asphalt
	5 4 4 6	S14 8	26.0 28.0			Similar to S13, except loose
				31.0		-FILL-
	5 5 4 4	S15 16	28.0 30.0	28.0	SP-SM	Loose red-brown SAND, trace silt, wet bottom half of sample
30	1 2 3 4	S16 16	30.0 32.0		SP	Loose red-brown SAND, trace silt, wet
				27.0		
	4 5 5 5	S17 12	32.0 34.0	32.0	SM	Loose red-brown SAND, little silt, wet
				25.0		
	1 2 3 4	S18 12	34.0 36.0	34.0	SM	Loose red-brown medium to fine SAND, little silt, wet
35	2 3 3 4	S19 12	36.0 38.0			Similar to S18
				21.0		-OUTWASH DEPOSITS-
				38.0		Bottom of exploration at 38.0 ft

Note: Borehole backfilled with drill cuttings upon completion

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

Boring No. SB-7

H&A-TEST BORING 07-1 H&R HA-LIB07-R1 GLB HA-TB+CORE+WELL-07-1 GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1 GPJ Nov 21, 07

HALEY & ALDRICH

TEST BORING REPORT

Boring No. SB-8

Project	Eli Whitney Vocational Technical School-Sinkhole Remediation Hamden, Connecticut
Client	Antinozzi Associates, PC
Contractor	New England Boring Contractors of Connecticut, Inc.

File No. 31771-001
Sheet No. 1 of 1
Start October 23, 2007
Finish October 23, 2007
Driller T. Roe
H&A Rep. J. Charter
Elevation 59.0
Datum
Location See Plan

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	HSA	S	-	Rig Make & Model: Truck-mounted Mobile Drill B-53
Inside Diameter (in.)	3 1/4	1 3/8	-	Bit Type: Cutting Head Drill Mud: None
Hammer Weight (lb)	-	140	-	Casing: Spun
Hammer Fall (in.)	-	30	-	Hoist/Hammer: Winch Safety Hammer PID Make & Model: None

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)
0	2 4 11 22	S1 16	0.0 2.0	58.5 0.5		-TOPSOIL-
					SM	Medium dense brown to red-brown coarse to fine SAND, some silt, little coarse to fine gravel, no odor, dry
	17 20 20 21	S2 17	2.0 4.0		SP-SM	Very dense red-brown coarse to fine SAND, little coarse to fine gravel, little silt, stratified, no odor, dry
	13 13 17 17	S3 16	4.0 6.0			Similar to S2, except trace medium to fine gravel
5	15 17 19 17	S4 16	6.0 8.0			Similar to S3
	11 16 21 19	S5 15	8.0 10.0			Similar to S4
10	17 16 16 16	S6 18	10.0 12.0			Similar to S5, except moist
	17 21 18 14	S7 19	12.0 14.0			Similar to S6
				45.0 14.0		-OUTWASH DEPOSITS-
						Bottom of exploration at 14.0 ft
						Note: Borehole backfilled with drill cuttings upon completion

Water Level Data

Date	Time	Elapsed Time (hr.)	Depth (ft) to: Bottom of Casing	Bottom of Hole	Water
		Not Encountered			

Sample ID
O - Open End Rod
T - Thin Wall Tube
U - Undisturbed Sample
S - Split Spoon Sample

Well Diagram
Riser Pipe
Screen
Filter Sand
Cuttings
Grout
Concrete
Bentonite Seal

Summary

Overburden (ft)	14.0
Rock Cored (ft)	-
Samples	7S

Boring No. SB-8

Field Tests: Dilatancy: R - Rapid S - Slow N - None
Toughness: L - Low M - Medium H - High
Plasticity: N - Nonplastic L - Low M - Medium H - High
Dry Strength: N - None L - Low M - Medium H - High V - Very High

*Note: Maximum particle size is determined by direct observation within the limitations of sampler size.

Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

H&A-TEST BORING-07-1 HAR HA-LIB07-R1 GLB HA-TB+CORE+WELL-07-1 GDT G:\PROJECTS\31771\001\DATABASE\2007-1024-HAI 31771-001TB G07-R1.GPJ Nov 21, 07

APPENDIX B

Logs of Previous Test Borings

HALEY & ALDRICH — East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B20

PROJECT Eli Whitney CTHSS; Hamden, Connecticut
CLIENT Antinozzi Associates, PC
CONTRACTOR New England Boring Contractors of Connecticut, Inc.

FILE NO. 31771-000
SHEET NO. 1 OF 2
LOCATION See Plan

ITEM	CASING	DRIVE SAMPLER	CORE BARREL
TYPE	HSA	S	-
INSIDE DIAMETER (IN)	3 1/4	1 3/8	-
HAMMER WEIGHT (LB)	-	140	-
HAMMER FALL (IN)	-	30	-

DRILLING EQUIPMENT & PROCEDURES
RIG TYPE: Mobile Drill B53
BIT TYPE: Cutting Head
DRILL MUD: None
OTHER: Truck mounted, winch, safety hammer

ELEVATION 55.6
DATUM NAVD88
START February 6, 2006
FINISH February 6, 2006
DRILLER J. Levitt
H&A REP C. Drake

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
0		1	S1	0.0	55.5	Loose brown medium to fine SAND, little silt, trace fine gravel
		3	20	2.0	0.1	-TOPSOIL-
		4				
		8				
		7	S2	2.0		Medium dense brown coarse to fine SAND, little silt
		8	18	4.0		
		10				
		10				
		7	S3	4.0		Medium dense brown coarse to fine SAND, little silt
5		7	16	6.0		
		8				
		8				
		2	S4	6.0		Very loose brown coarse to fine SAND, trace silt
		2	14	8.0		
		1				
		1				
		1	S5	8.0		Very loose brown fine SAND, little silt
		2	16	10.0		
		1				
10		1				
			S6	10.0		Similar to S5
		1	8	12.0		
		1				
		1				
		1	S7	12.0		Very loose brown fine SAND, little silt, 1/2 in. layer of clay
		1/18	10	14.0		
		1/6				
		1/12	S8	14.0		Very loose brown fine SAND, little silt, trace medium sand
15		1/12	8	16.0		
		1/12	S9	16.0		Similar to S8, with wood in spoon
		1	10	18.0		
		9				
		20	S10	18.0		sample consists entirely of wood
		19	6	20.0		
		18				
20		19				
		WR	S11	20.0		Very loose brown coarse to fine SAND, little fine gravel, silt, trace wood
		2	6	22.0		
		1				
		2				
		6	S12	22.0		Medium dense brown coarse to fine SAND, little inorganic silt, trace gravel, wood, brick
		6	12	24.0		
		7				
		9			31.6	-FILL-
		20	S13	24.0	24.0	
25		18	3	26.0		

WATER LEVEL DATA

DATE	TIME	ELAPSED TIME (HR)	DEPTH (FT.) TO: BOTTOM OF CASING	BOTTOM OF HOLE	WATER

SAMPLE IDENTIFICATION
O OPEN END ROD
T THIN WALL TUBE
U UNDISTURBED SAMPLE
S SPLIT SPOON
C ROCK CORE

SUMMARY

OVERBURDEN (LIN FT)	27.0
ROCK CORED (LIN FT)	-
SAMPLES	13S

BORING NO. B20

HALEY & ALDRICH

East Hartford, Connecticut

TEST BORING REPORT

BORING NO. B20
FILE NO. 31771-000
SHEET NO. 2 OF 2

DEPTH (FT)	CASING BLOWS PER FT.	SAMPLER BLOWS PER 6 IN	SAMPLE NUMBER & REC. (IN.)	SAMPLE DEPTH (FT)	ELEV./ DEPTH (FT)	VISUAL DESCRIPTION AND REMARKS
25						
		16				
		18			29.6	-GLACIOFLUVIAL (OUTWASH) DEPOSITS-
					26.0	Bottom of Exploration at 26.0 ft

APPENDIX C

DC Specifications Outline

Outline Specification
Dynamic Compaction

Qualification: The dynamic compaction procedures shall be performed by an experienced and qualified contractor. The contractor shall provide documentation of successful dynamic compaction projects performed. The contractor shall provide a work plan, equipment list, and time duration to successfully complete the dynamic compaction in accordance with the required soil improvement specified herein.

Contractor's Bid: The contractor shall provide a lump sum bid to the owner which shall be inclusive of all equipment, materials, labor, engineering, and planning necessary to achieve the degree of ground improvement specified herein.

Project Information: The contractor shall be provided with a complete copy of the geotechnical report, existing site conditions and utility plan, topographical survey, site plan, and proposed grading plan.

Work Area: The work area to be improved by dynamic compaction shall be the footprint area as indicated on the plans. The subject work area shall be prepared by the owner prior to commencing dynamic compaction.

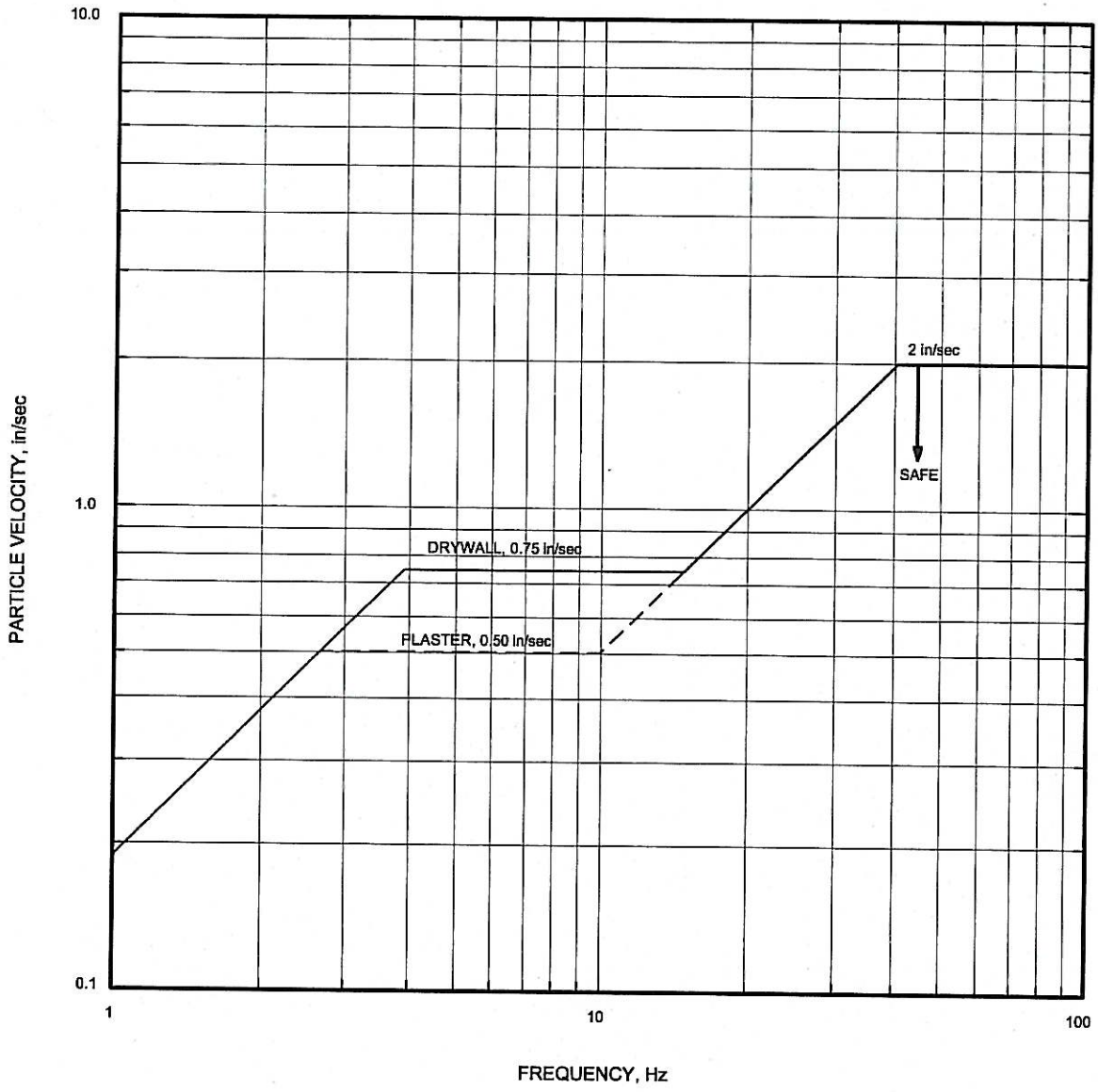
Required Improvement: The contractor shall develop a dynamic compaction program to achieve a minimum Standard Penetration Test (SPT) N-value of 15 to a minimum elevation of 30 feet above mean sea level (msl). The contractor shall be responsible for determining the tamper and drop height required to achieve the specified depth of improvement; determining the required energy, grid spacing, and number of passes necessary to achieve the specified required SPT N-value; providing means and methods of monitoring vibrations and protecting existing site and neighboring structures and utilities from damage which may be caused by dynamic compaction; and maintaining records of the procedures performed and submitting weekly progress reports.

Required Testing: To verify that the minimum improvement has been achieved (SPT N-value $\geq$ 15) to the required elevation specified herein, the owner's geotechnical engineer shall drill a sufficient number of test borings employing standard penetration tests (SPTs). If it is determined that the specified improvements have not been achieved, the contractor shall modify and recommence his field procedures at no additional cost to the owner.

Site Preparation: Upon completion of dynamic compaction and written verification by the owner's geotechnical engineer that the specified improvement has been achieved, the contractor shall level the work area by performing an ironing pass. Unless otherwise agreed upon by the owner and the contractor, the contractor shall not be responsible for restoring grades within the work area.

Appendix D

Maximum Allowable Vibration Levels



REFERENCE:

BUREAU OF MINES REPORT OF INVESTIGATION 8507, "STRUCTURE RESPONSE AND DAMAGE PRODUCED BY GROUND VIBRATION FROM SURFACE MINING BLASTING", 1980.

HALEY & ALDRICH

SAFE LEVELS OF GROUND VIBRATIONS

SCALE: AS SHOWN
NOVEMBER 2007

F:\DETAILS\DETAILS 7-2006\VIBRATION2.DWG

00 31 58

Flood Management Certificate

STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION

December 26, 2008

RECEIVED
DEC 31 2008

Connecticut Department of Public Works
165 Capitol Avenue
Hartford, CT 06106

Attn: Mr. Jeffrey Bolton

Re: FM-200702368, State Project No. BI-RT-837
Additions & Renovations to Eli Whitney CTHSS
Hamden

Dear Mr. Bolton,

The Inland Water Resources Division of the Department of Environmental Protection has reviewed the flood management certification prepared by John Eberle, PE and signed by Al Richmond of the Department of Education and Fred Conolly of the Department of Public Works. The certification document dated and submitted October 1, 2007, states that the proposed activity has been designed in compliance with the requirements of Section 25-68d(b) of the Connecticut General Statutes (CGS) and Section 25-68h-1 through 25-68h-3 of the Regulations of Connecticut State Agencies (RCSA).

The project consists of enhancing stormwater drainage facilities to accommodate the additions and renovations proposed at Eli Whitney CTHSS as shown on plans entitled "Eli Whitney CTHSS, Additions and Renovations, 71 Jones Road, Hamden, CT," signed by John Eberle, PE, dated June 20, 2008 and revised through November 18, 2008.

The above referenced certification is hereby approved. No revisions or alterations to the approved plans are allowed without first obtaining written approval from this Division of such alterations. If there are any questions, contact Gary P. Steinhaus of the Inland Water Resources Division at 424-3019.

Sincerely,

Denise Ruzicka
Director

cc: Al Richmond, DOE
Fred Connolly, DPW