ADDITIONS& MAJOR RENOVATIONS
HARVARD H. ELLIS TECHNICAL HIGH SCHOOL
DANIELSON, CONNECTICUT
PROJECT: BI- RT - 841

BID OPENING	**1:00 P.M.**	**August 3, 2011**
ADDENDUM NUMBER 1	**DATE OF ADDENDUM**	**June 23, 2011**

The following clarifications are applicable to drawings and specifications for the project referenced above.

Item 1

ADD: "POLYCHLORINATED BIPHENYL (PCB) ABATEMENT AND REMEDIATION PLAN (PARP)" for Harvard H. Ellis Technical High School dated December 3, 2010, prepared by ATC Associates; 407 pages attached hereto.

Item 2

ADD: SECTION 02 84 33 "REMOVAL AND DISPOSAL OF POLYCHLORINATED BIPHENYLS (PCB); 13 pages attached hereto.

Item 3

ADD: Drawings PCB 101, PCB 101AA, PCB 101BB, PCB 301, PCB 302, PCB 303, PCB 304; 7 drawings attached hereto. *(The drawings will be sent to those who have already picked up the plans and specifications). Drawings will be given to those who are purchasing the P&S.*

Item 4

CHANGE: SECTION 01 11 00, Paragraph 1.2 D.2.
The authorized representative for the Owner is changed from Frederick Connolly to Robert Dexter; Phone: (860)713-5614; Fax: (860)713-7260; E-mail: Robert.Dexter@ct.gov.

All questions must be in writing (not phone or e-mail) and must be forwarded to the consulting Engineer (Edward Fennel, Fax: 860-282-9826) with copies sent to the DPW Project Manager (Rob Dexter, Fax: 860-713-7261) and Construction Manager (Ken Biega, Fax: 860-626-6447).

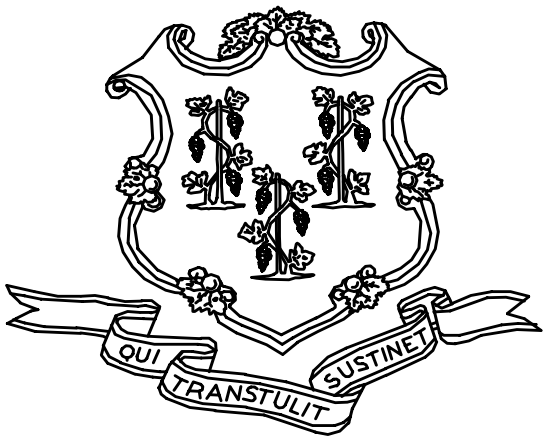
End of Addendum Number One

Gail Blythe
Associate Fiscal Administrative Officer
Department of Public Works

POLYCHLORINATED BIPHENYL (PCB) ABATEMENT AND REMEDIATION PLAN (PARP)

HARVARD H. ELLIS TECHNICAL HIGH SCHOOL
613 UPPER MAPLE STREET
DANIELSON, CONNECTICUT
DPW BUILDING NUMBER 24240

PROJECT NO. BI-RT-841



STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC WORKS

RAEANNE V. CURTIS
COMMISSIONER

PREPARED BY:

ATC ASSOCIATES, INC.
290 ROBERTS STREET - SUITE 301
EAST HARTFORD, CT 06108

ATC PROJECT NUMBER 61.22573.0015 TASK 45

DECEMBER 3, 2010

TABLE OF CONTENTS

TABLE OF CONTENTS
(Continued)

TABLES

FIGURES

APPENDICIES

1.0 INTRODUCTION

ATC Associates Inc. (ATC) has prepared this Polychlorinated Biphenyl (PCB) Abatement and Remediation Plan (PARP) for use by the Connecticut Department of Public Works (CT DPW) in conducting site remediation tasks as part of the proposed renovations at H. H. Ellis Technical High School (Site or Ellis Tech) located at 613 Upper Maple Street in Danielson, Connecticut (Figures 1 and 2). The Site, which is part of the Connecticut Technical High School System, is under jurisdiction of the Connecticut Department of Education (CT DOE). The CT DPW will have contract oversight for the work contained in this PARP as it will be part of the overall renovation project and therefore, will be responsible for the cleanup.

Abatement activities detailed in this PARP are based upon "PCB Abatement Action Items for Excluded PCB Products" ("Action Items") developed by CT DPW in conjunction with the Connecticut Department of Environmental Protection (CT DEP) (Appendix A). For the purposes of developing the abatement activities, "Excluded PCB Products" shall include original caulk and glazing, and associated porous building materials that contain PCBs in concentrations ranging from greater than or equal to 1 ppm to less than 50 ppm. It should be noted that all of the building caulks at Ellis Tech were determined to be original to building construction and no evidence of re-caulking was found at any of the sample locations (Figure 3).

TRC Environmental Corporation (TRC) conducted bulk sampling of caulking and window glazing sealants at the Site on December 28 and 29, 2009, and March 6, 2010 to determine the presence of PCBs (Figure 4). Results of the TRC investigation, included as Appendix F, identified PCBs in concentrations ranging from non-detect to 12 milligram/kilogram (mg/Kg). Since the caulk and glazing sealants contained PCBs in concentrations ranging from ≥1 mg/Kg and < 50 mg/Kg, the sealants are classified as Excluded PCB Products and shall be removed and disposed of as Connecticut Regulated Waste in accordance with the Action Items. An inventory of Excluded PCB Products is provided in Table 4. The Excluded PCB Products are depicted on Figures 6-10.

On November 3, 2010, ATC sampled porous building substrate adjacent to the three highest PCB-containing caulk and glazing locations identified in Figure 5 of the TRC investigation report. Results identified PCBs in concentrations ranging from non-detect to 0.39 mg/Kg (Table 2). Since no porous building substrate samples contained PCBs in concentrations greater than or equal to 1 mg/Kg, building substrate adjacent to PCB-containing caulk and glazing shall be considered "unrestricted" and can be handled under normal conditions, in accordance with the Action Items.

Soil was tested by ATC on October 5 and 19, 2010 to determine if exterior PCB-containing material (caulking/glazing) had flaked off from building components to landscaped surfaces adjacent to the building (Figure 5). Results from the soil sampling program identified PCBs in concentrations ranging from non-detect to 0.75 mg/Kg (Table 3). Since no soil samples contained PCBs in concentrations greater than or equal to 1 mg/Kg, soil remediation excavation is not required, in accordance with the Regulations of Connecticut State Agencies (RCSA) Sections 22a-133k-1 through 22a-133k-3, inclusive.

This PARP addresses the remedial objectives of the PCBs identified in the caulk and window glazing at concentrations ranging from non-detect to 12 mg/Kg and includes an outline of the approach and procedures that the Contractor will follow to ensure achievement of these remedial objectives.

1.1 Site Description and Location

Ellis Tech, built in 1958 and located in Danielson, Connecticut (see Figure 1 for location plan 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. It currently offers trade courses in culinary arts, hairdressing/cosmetology/barbering, carpentry, masonry, electrical, heating ventilation and air conditioning, plumbing, manufacturing technology, automotive technology, electronics technology, graphics technology, computer science/information systems technology, and health technology. It is situated in a residential area adjacent to Danielson Airport (see Figure 2 for site plan).

Subsequent to the original construction, building additions were completed in 1972 (Aircraft Wing and Automotive), 1988 (cafeteria, hairdressing/cosmetology/barbering, graphics technology, electronics technology, computer science/information systems technology, English, carpentry, masonry, electrical and autobody) and in 1995 (special education).

A construction project to repair and replace roofing was completed in the summer of 2008. This project included the removal of high bay windows from the shop wing. Caulks and glazing were identified at that time as asbestos-containing materials (ACM) and the windows were removed as ACM in accordance with applicable regulations and requirements.

1.2 Facility and Renovation Project Description

The total area of the parcel occupied by Ellis Tech is 21.00 acres. On the property to the north are wooded areas and football and track facilities. Adjacent to the southern portion of the parcel is Danielson Airport. The school building is located primarily in the southern portion of the parcel.

The school building is separated into five building areas. A description of their current and anticipated future uses and planned renovations is as follows:

- A Building including A Building (Related) is the administrative and primary academic portion of the building and houses administrative offices, science and hairdressing classrooms. Renovations will maintain similar functions in this building portion. The north wing portion is scheduled for demolition and the curtain wall window system throughout the remaining building areas are planned for replacement.
- Cafeteria/Gymnasium Wing houses the cafeteria, kitchen, gymnasium, locker rooms and other related space. The cafeteria and kitchen area will remain, however the gymnasium and related functions are to be relocated to the current Aircraft Wing. The current gymnasium areas will be converted to shops, laboratories and classroom facilities.
- Aircraft Wing, houses shop and theory rooms associated with the aircraft maintenance shop. The renovation plan for this building portion is conversion from aircraft to gymnasium space.
- B Building Shop Wing houses electronics technology, and math and English classrooms. Renovations to this area are not as extensive as in other portions of the building.
- Shop Wing houses carpentry, masonry, electrical, heating ventilation and air conditioning, plumbing, manufacturing technology, automotive technology, shops and theory classrooms.

It should be noted that all of the building caulks were determined to be original to building construction and no evidence of re-caulking was found at any of the sample locations.

1.3 Sampling Program Description

Sampling was performed by TRC to categorize interior and exterior sealants (caulk and glazing) and by ATC to ascertain PCB concentrations in building materials adjacent to sealants containing PCBs identified in the TRC report. In addition, soil was tested by ATC to determine if exterior PCB-containing material (caulking/glazing) had flaked off from building components to landscaped surfaces adjacent to the building (Figure 5).

Caulk and glazing sample analytical results are presented in Table 1 and the sample locations are shown on Figure 4. Sample analytical results from building materials in contact with the three highest PCB-containing caulk and glazing are presented in Table 2 with the sample locations shown on Figure 5. Soil sample analytical results are presented in Table 3 and sample locations are also shown on Figure 5. Specific areas requiring abatement of PCB-containing caulk and glazing are detailed on Figures 6 through 10. Analytical data reports are attached in Appendix B.

1.3.1 Caulk and Window Glazing Sampling

On December 28 and 29, 2009, and March 6, 2010 TRC collected interior and exterior bulk caulk and window glazing samples at Ellis Tech. The sampling methodology involved collecting a single sample per homogenous material type identified following building material survey 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). Building areas constructed after the federal ban on PCB use were not included in the scope of the survey (i.e. post 1979 construction). The Environmental Protection Agency (EPA) Methods 8082/3540C (PCB analysis with soxhlet extraction) was used for sample analysis at a State of Connecticut approved laboratory.

1.3.2 Building Material Substrate Sampling

Building Material substrate samples were collected on November 3, 2010 from locations of the three highest caulk (interior and exterior) locations. A total of twelve representative samples of building material substrates were collected adjacent to, but without coming in contact with, PCB caulk. Samples were collected following the EPA Region 1 Standard Operating Procedure (SOP) for Sampling Concrete at each of the locations. The EPA SOP for Sampling Concrete in the Field is included as Appendix E. Samples were extracted and analyzed using EPA Methods 3540C and 8082, respectively, and all analytical results were reported on a dry weight basis. No samples exceeded 1 mg/Kg. Therefore, these sample results indicate that abatement of the building material substrate adjacent to PCB containing caulk will not be required and can be handled as unrestricted material for the planned project.

1.3.3 Soil Sampling

Soil samples were collected from areas that are grassed or landscaped at locations beneath areas where Excluded PCB Product, either building caulks or window glazing, were located. Analytical results are presented in Table 3 and the sample locations are shown on Figure 5. No areas requiring remediation

have been identified. Analytical data reports are included in Appendix B.

The soil sampling was performed as follows:

- Initial soil samples were collected on October 5, 2010 a distances of one and four foot from the base of the building at ten foot intervals. Each of the samples was collected from surficial soil (0- to 2-inch interval).
- A second round of soil sampling was performed on October 19, 2010 with the intent of completing the delineation of PCB-impacted soil requiring remediation. In order to complete the vertical delineation, soil samples were collected at the same location as the previous initial soil samples, but at a depth of 1 foot below grade. Since the PCB source material involves flaking from building caulks, the area affected was expected to be limited as it extends away from the building.

The ground surface at the grab sample locations is covered with turf and there is no evidence of any landscaping work having been performed. All surficial 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 2 inches below grade. All grab samples collected at a depth of one foot were collected by hand augering to a depth of 1 foot below grade (measured in the field) and then collecting a sample at a depth of 1 foot and penetrating no more than two inches into the exposed surface. Soil removed by augering was replaced into the hole created at the same depths from which it was removed to avoid mixing of potentially contaminated soil with clean.

All of the samples submitted were extracted using EPA Method 3540. Initially, analysis of total PCB was performed from samples one foot from the building foundation at twenty foot intervals as a screen to identify potential contamination using EPA Method 8082. The Aroclors reported in soil were 1254 and 1260 which is consistent with what is found in the suspected caulk and glazing source materials and may indicate some weathering of the Aroclors in the case of 1260 being identified. All of the analytical data are reported on a dry-weight basis.

A total of forty-three soil samples were collected at one-foot from the building. No samples were equal to or exceeded 1 mg/Kg for PCB. Since all of the samples collected were <1 mg/Kg soil remediation excavation and verification sampling is not required. The following provides details concerning the delineation of PCB-impacted soil.

1.3.3.1 A Building and A Building (Related)

All soil sample locations for A Building and A Building (Related) are shown on Figure 5. Initially, forty surficial soil samples were collected from the ground surface beneath vertical and horizontal caulk seams within the curtain wall and window glazing. The ground surface had various conditions of grassed and landscaped areas. All of these initial locations were located one foot from the base of the building and spaced at ten feet intervals. Thirty-eight samples were non-detect for PCB. Two samples were identified at 0.44 and 0.56 mg/Kg for PCB.

Additional characterization sampling was performed at these locations. Soil samples were collected at a depth of 1 foot below the original sample location (samples designated with 12" indicated) to complete the vertical delineation. Analytical data, presented in Table 3, indicate that both samples were non-detect for PCB.

Soil samples were also collected a distance of 3 feet horizontally away from the original sampling locations in the manner described above. Analytical data, presented in Table 3, indicate that both samples were non-detect for PCB.

1.3.3.2 Shop Wing

Soil areas adjacent to the building in this wing are limited. One soil sample location for the North Side of the Shop Wing is shown on Figure 5. The soil sample was collected from the ground surface beneath vertical and horizontal caulk seams at the window. The ground surface was grassed with no evidence of landscaping work having been performed. The initial sample was located one foot from the base of the building. The sample was identified to contain 0.74 mg/Kg total PCB.

Additional characterization sampling was performed at this location. Soil samples were collected at a depth of 1 foot below the original sample location (samples designated with 12" indicated) to complete the vertical delineation. Analytical data, presented in Table 3, indicate that this samples at 0.21 mg/Kg which is less than 1.0 mg/Kg.

A soil sample was also collected a distance of 3 feet horizontally away from the original sampling location in the manner described above. The sample was identified to contain 0.75 mg/Kg total PCB.

2.0 REMEDIATION PROCEDURES

Excluded PCB Product (caulk/glazing) will be removed utilizing abatement work practices and engineering controls discussed in the Action Items to limit the potential release of PCB dust/debris. All materials will be containerized and then transported for appropriate disposal. The removal of Excluded PCB Product (caulk and glazing) will be performed by a specialty contractor, utilizing workers afforded appropriate hazard communication training, under the supervision of an appropriately educated and trained third party (project inspector/engineer) who can validate appropriate removal techniques and confirm thorough removal of identified materials.

The goal of Excluded PCB Product (caulk and glazing) remediation efforts is to ensure that all Excluded PCB Product is removed from areas that are being demolished or renovated. Means and methods for material removal will not be specified, except as specified in the Action Items.

2.1 Safety and Monitoring Requirements

It is anticipated that construction workers, students, and staff will be present at the Ellis Tech while removal and abatement is ongoing. To prevent exposure of these persons to contaminated dust, Control Areas will be established outside of the Regulated Areas. Only properly trained personnel associated with the removal and abatement actions will be permitted within the established Control Areas. Control Areas will be demarcated by placing barriers with signs indicating that access to the area is restricted. The project inspector/engineer will maintain the Control Areas and escort unauthorized personnel from the area promptly. Only those personnel actively working on the removal and abatement actions will be permitted within the Regulated Area and they shall be equipped with Personal Protective Equipment (PPE).

2.2 Public Communication

Public outreach will be performed both prior to initiating and during the project to inform the school community of the activities that will be performed at the Site to address PCB contamination. The scope and protocols to be followed are detailed in the attachment included in Appendix C.

2.3 Engineering Control Descriptions

2.3.1 Remediation Procedures

- During removal of Excluded PCB Products, ground surfaces and adjacent horizontal 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.
- Signs will be posted outside the enclosure to deter unauthorized personnel from entering.
- Removal work practices within the regulated area will be implemented which facilitate the removal of the Excluded PCB Products while also limiting the amount of dust and debris to be generated.

- All caulk and window glazing 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.
- All caulks and glazing ≥1 mg/Kg and <50 mg/Kg shall be removed without the removal of associated building substrates. In the case of glazing, removal of all or portions of a window section or sections may be employed if it is determined to be economical to remove the entire section(s) as Excluded PCB Product.
- Engineering Control Descriptions are further described in Appendix D.

2.3.2 Phased Remediation/Interim Control Measures

In instances where Excluded PCB Product (caulk/glazing) cannot be removed prior to performing phased renovations the following procedures will be followed as interim control measures (as described in the Action Items):

- The Contractor will visually assess and physically delineate Excluded PCB Product areas (caulk/glazing) around interior doors and windows and exterior doors (not windows), as outlined in this PARP, on the building with paint or other suitable materials.
- If the PCB-containing caulk/glazing is cracking/chipping, then the caulk/glazing shall be cleaned and encapsulated using epoxy paint, as specified in the Action Items.
- If the PCB-containing caulk/glazing is in good condition, then the caulk/glazing shall be monitored on a monthly basis by the school's building maintenance supervisor; if it begins cracking/chipping, then the caulk/glazing shall be painted over with the above referenced epoxy paint.
- All cleaning and encapsulation work shall be performed while school is not in session.
- The Contractor will not be allowed to disturb these areas until they are ready for removal.
- "Clean" demolition or renovation 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 Excluded PCB Product (caulk/glazing).

2.4 Cleanliness Verification

Following the removal actions, surfaces shall be cleaned by wet brushing (using a nylon brush), wet wiping and sponging or cleaning by an equivalent method to remove all visible material (wire brushes are not permitted). The entire remediation area will be HEPA vacuumed to remove dust. The project inspector/engineer will then inspect the area to determine that is has been cleaned of all dust generated during the abatement.

Post-abatement wipe sampling ("Cleanliness Verification Procedure") shall be performed at each remediation area. Wipe samples shall be collected from horizontal surfaces where dust generated might accumulate after the area is cleaned. For areas that are being renovated, including areas where there is no planned renovation work, but Excluded PCB Product will be removed, and where wipe samples are representative of materials to remain in place, all wipe samples will be required to be <1.0 µg/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 µg/100 cm^2.

Should any removal fail to achieve the cleanliness verification requirement, the Contractor shall re-clean

the surfaces and additional inspections and testing will be performed until the area has achieved the applicable cleanliness standard.

2.5 Soil Remediation

Removal of soil is not required by this PARP based on sample results obtained at the building perimeter of areas containing Excluded PCB Products. Analytical results are presented in Table 3 and the sample locations are shown on Figure 5.

2.6 Waste Characterization, Transport, and Disposal

Wastes will be characterized to the satisfaction of the selected disposal facility prior to initiating any remedial activities. All Excluded PCB Product (caulk/glazing) wastes generated during building remediation activities will be shipped for disposal as Connecticut Regulated Waste at a permitted facility.

2.7 Equipment Decontamination

All moveable equipment, tools, and sampling equipment which has contacted the Excluded PCB Product will be decontaminated prior to leaving the site. Decontamination procedures will comply with applicable sections of 40 CFR §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 Excluded PCB Product will be disposed of as Connecticut Regulated Wastes. 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.

2.8 Notification

Notification of intent to perform these remedial measures described within this PARP is to be provided to the CT DEP and Ellis Tech.

The location of all reports detailing sample collection and analysis procedures used to assess or characterize the PCB contamination for this PARP will be available at CT DPW, CT DOE THS Office in Middletown, and Ellis Tech.

3.0 DOCUMENTATION

Documentation of the field activities will be performed on a daily basis by the contractor and project inspector/engineer during the performance of the remediation and will be summarized at the conclusion of the remediation in a Remedial Action Report (RAR).

3.1 Field Notes

The project inspector/engineer will maintain a daily log of on-site remedial 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
- Waste transporter information

3.2 Photographs

Photographs will be taken of representative activities, such as remediation and sample locations. The final extents of the remediation will also be photographed. Copies of selected photographs will be included in the RAR.

3.3 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.

3.4 Report

The RAR will be prepared upon receipt of certifications of treatment/disposal from the treatment/disposal facility. The RAR will include the following.

- Site description
- A description of field procedures
- Sample locations and analytical results
- A photographic record of the remediation
- If applicable, figures showing the extent of restoration
- Waste characterization sample data
- Waste transport and treatment disposal information
- Copies of waste manifests and bills of lading

The Final Report will be submitted to the CT DEP within 30 days of completion.

3.5 Recordkeeping

All records and documents discussed within this PARP will be prepared for and maintained by Ellis Tech, CT DOE, and CT DPW. The records shall be maintained in a centralized location for a minimum of three years and will be made available to the CT DEP if requested.

TABLES

TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING CAULKS/GLAZES
ELLIS TECH
DANIELSON, CONNECTICUT

Sample No.	Homogeneous Material Type	General Location	Total PCB (ppm)
C1	Exterior hard gray bldg caulk (older)	Room 200,205,206,212,223,302,303,304,306,307-windows, gym-windows	0.62
DWG1	Exterior black putty door window glaze (large, single pane)	Main entrance	ND<0.5
C2	Exterior white rubbery door frame caulk	Main entrance, On A/C units outside room 115-124, 205-212	ND<0.5
C3	Exterior light gray putty window caulk	Where metal frames intersect brick on windows outside Rooms 115-124, 205-212, main office area, aircraft 301, main office area, hallway next to 206	ND<0.5
WG1	Exterior/Interior hard gray window glaze	Windows in Rooms 115-124, main office area,200,205-212, 301, hallway next to 206	1.1
C4	Exterior beige rubbery caulk	Around metal panel below windows outside Rooms 115-124, main office area,200,205-212, 301, hallway next to 206, Windows in hallway between room 200 and 218	1.2
C5	Exterior gray rubbery sticky caulk	Around emergency windows outside Rooms 115-124,205-212,	0.9
C7	Exterior gray slightly rubbery building caulk	Building joints outside Rooms 115,117, 126 exit121,201,202	ND<0.5
DWG2	Exterior black putty door window glaze (Single panel metal mesh window)	Exterior exit doors next to room 223 and 310	0.65
C11	Exterior hard gray/tan putty caulk	Lower level boiler-windows/vents/door, room 301-interior/exterior windows & doors, north and south end of aircraft 301-doors	0.70
C12	Exterior brown rubbery caulk	Interior/exterior of doors and windows of exit doors next to room 301	9.3
C13	Exterior light gray caulk	Room 301 windows, north end aircraft 301-doors	2.9
C14	Exterior cream rubbery bldg caulk	Aircraft 301-doors, vents and joints, aircraft 301 extension-doors, room 306-wall joints	0.5
DWG4	Exterior gray hard garage door window glaze (10 pane/door)	Garage door on north end of Aircraft 301	ND<0.5
C15	Interior/exterior maroon rubbery window caulk	Windows/metal panels – Aircraft 301 extension, room 306	ND<0.5
WG3	Interior/exterior gray brittle window glaze	Windows/metal panels – Aircraft 301 extension, room 306	ND<0.5
WG4	Exterior hard gray window glaze	Windows on large bay door - Aircraft 301 extension	ND<0.5
C16	Exterior yellow/cream door caulk	Around metal panels & windows of large garage bay door - Aircraft 301 extension	ND<0.5

PCB caulk/glaze $\geq$ 50 ppm is defined as PCB Bulk Product Waste under EPA 40 CFR 761.62
ND< = Not-Detected, Less Than
All samples analyzed via EPA 8082 Method with EPA Method 3540 extraction

TABLE 1 BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING CAULKS/GLAZES ELLIS TECH DANIELSON, CONNECTICUT			
WG5	Interior/exterior white/cream window glaze	Lower metal windows in room 223, 224,302,303,304,306,307 and gym	ND<0.5
C17	Exterior white soft vent caulk	Room 318-vent	ND<0.5
C21	Exterior black rubbery caulk	Windows in hallway between room 200 and 218	12
C22	Exterior white rubbery roof building caulk	Roof-above gym and room 304 area	ND<0.5
FL1	Exterior black flashing tar (caulk)	Roof-elevated gym windows along sill	ND<0.5
C23	Exterior white powdery non-flexible caulk	Roof-elevated gym windows	ND<0.5
C24	Interior tan hard window caulk	Where metal frames intersect brick on windows inside Rooms 115-124, 205-212, main office area, aircraft 301, main office area, hallway next to 206	3.9
C25	Interior hard gray brittle caulk	Metal panels between seams (interior side of windows with C4) (Around metal panel below windows inside Rooms 115-124, main office area,200,205-212, 301, hallway next to 206, Windows in hallway between room 200 and 218)	7.0
WG6	Interior black putty replacement window glaze	An occasional window in these general areas: Room 116-121, 301	0.54
C26	Interior/exterior gray seam caulk	In-between metal frame seams of WG5 windows (Lower metal windows in room 223, 224,302,303,304,306,307 and gym)	1.37

PCB caulk/glaze ≥ 50 ppm is defined as PCB Bulk Product Waste under EPA 40 CFR 761.62
ND< = Not-Detected, Less Than
All samples analyzed via EPA 8082 Method with EPA Method 3540 extraction

TABLE 2
PCB TESTING
BULK SAMPLE SUMMARY SUBSTRATE MATERIAL
HARVARD H. ELLIS THS

Sample Number	Material	Associated TRC Bulk Sample No.	Location	PCB Concentration mg/Kg (ppm)
S1	CMU Block	C24	Room 115	0.39 [0.10]
S2	CMU Block	C24	Room 118	ND [0.10]
S3	CMU Block	C24	Room 121	0.22 [0.10]
S4	CMU Block	C24	Room 120	ND [0.10]
S5	CMU Block	C24	Room 211	0.20 [0.10]
S6	CMU Block	C24	Room 212	ND [0.10]
S7	Exterior Brick	C21	Corridor Outside 219	ND [0.10]
S8	Exterior Concrete Slab	C21	Corridor outside 219	ND [0.10]
S9	Exterior Brick	C12	Corridor 221	ND [0.10]
S10	CMU Block	C12	Corridor 221 Interior	0.14 [0.10]
S11	Exterior Brick	C13	Room 222	ND [0.10]
S12	Exterior Concrete Sill	C13	Room 222	ND [0.10]

ND = None Detected
[Reporting Limit]

TABLE 3
PCB TESTING
BULK SAMPLE SUMMARY SOIL MATERIAL
HARVARD H. ELLIS THS

SAMPLE NUMBER	MATERIAL	LOCATION	SAMPLE DATE	DEPTH OF SAMPLE (In)	DISTANCE FROM BUILDING (Ft)	PCB Concentration mg/Kg (ppm)
B1-1FT	Soil	Shop Wing	10/5/10	0-2	1	0.74 [0.12]
101910-B1-12IN	Soil	Shop Wing	10/19/10	12	1	0.21 [0.12]
B1A-4FT	Soil	Shop Wing	10/5/10	0-2	4	0.75 [0.12]
B3-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B5-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B7-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B9-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.11]
B11-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B13-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B15-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B17-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B19-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.11]
B21-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B23-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B25-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B27-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B29-1FT	Soil	A Building (Related)	10/5/10	0-2	1	0.56 [0.10]
101910-B29-12IN	Soil	A Building (Related)	101910	12	1	ND [0.10]
B29A-4FT	Soil	A Building (Related)	10/5/10	0-2	4	ND [0.12]

TABLE 3
PCB TESTING
BULK SAMPLE SUMMARY SOIL MATERIAL
HARVARD H. ELLIS THS

SAMPLE NUMBER	MATERIAL	LOCATION	SAMPLE DATE	DEPTH OF SAMPLE (In)	DISTANCE FROM BUILDING (Ft)	PCB Concentration mg/Kg (ppm)
B31-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B33-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.11]
B35-1FT	Soil	A Building (Related)	10/5/10	0-2	1	ND [0.10]
B37-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]
B39-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]
B41-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]
B43-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]
B45-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.17]
B47-1FT	Soil	A Building	10/5/10	0-2	1	0.44 [0.11]
101910-B47-12IN	Soil	A Building	101910	12	1	ND [0.10]
B47A-4FT	Soil	A Building	10/5/10	0-2	4	ND [0.10]
B49-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.11]
B51-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.11]
B53-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.11]
B55-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.11]
B57-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.11]
B59-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.11]
B61-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]
B63-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]
B65-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]

TABLE 3
PCB TESTING
BULK SAMPLE SUMMARY SOIL MATERIAL
HARVARD H. ELLIS THS

SAMPLE NUMBER	MATERIAL	LOCATION	SAMPLE DATE	DEPTH OF SAMPLE (In)	DISTANCE FROM BUILDING (Ft)	PCB Concentration mg/Kg (ppm)
B67-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]
B69-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]
B71-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]
B73-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]
B75-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]
B77-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.10]
B79-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.12]
B81-1FT	Soil	A Building	10/5/10	0-2	1	ND [0.12]
B83-1FT	Soil	Shop Wing	10/5/10	0-2	1	ND [0.12]
B85-1FT	Soil	Shop Wing	10/5/10	0-2	1	ND [0.12]

ND = None Detected
[Reporting Limit]

TABLE 4
EXCLUDED PCB PRODUCTS INVENTORY
HARVARD H. ELLIS THS

Room	Interior Window Caulking	Interior Window Glazing	Interior Door Caulking	Exterior Window Caulking	Exterior Window Glazing	Exterior Door Caulking
115	X	X		X	X	
116	X	X		X	X	
117	X	X		X	X	
118	X	X		X	X	
119	X	X		X	X	
120	X	X		X	X	
121	X	X		X	X	
122	X	X		X	X	
124	X	X		X	X	
East Restrooms	X	X		X	X	
200	X	X		X	X	
201 (3 Offices)	X	X		X	X	
203	X	X		X	X	
205	X	X		X	X	
206	X	X		X	X	
Corridor Adjacent to Room 206	X	X		X	X	
207	X	X		X	X	
Department Head Office	X	X		X	X	
208	X	X		X	X	
209	X	X		X	X	

TABLE 4
EXCLUDED PCB PRODUCTS INVENTORY
HARVARD H. ELLIS THS

Room	Interior Window Caulking	Interior Window Glazing	Interior Door Caulking	Exterior Window Caulking	Exterior Window Glazing	Exterior Door Caulking
210 (2 Offices)	X	X		X	X	
211	X	X		X	X	
212	X	X		X	X	
Gymnasium	X			X		
Corridor Between Rooms 200 and 302	X			X		
Corridor Between Rooms 219 and 222			X			X
222	X	X		X	X	
223	X			X		
224	X			X		
301						X
302	X			X		
303	X			X		
304	X			X		
306	X			X		
307	X			X		

FIGURES

POLYCHLORINATED BIPHENYL (PCB)
ABATEMENT AND REMEDIATION PLAN (PARP)
LOCATION PLAN

Harvard H. Ellis Technical High School
613 Upper Maple Street
Danielson, Connecticut
Project Number: 61.22573.0015 Task 45

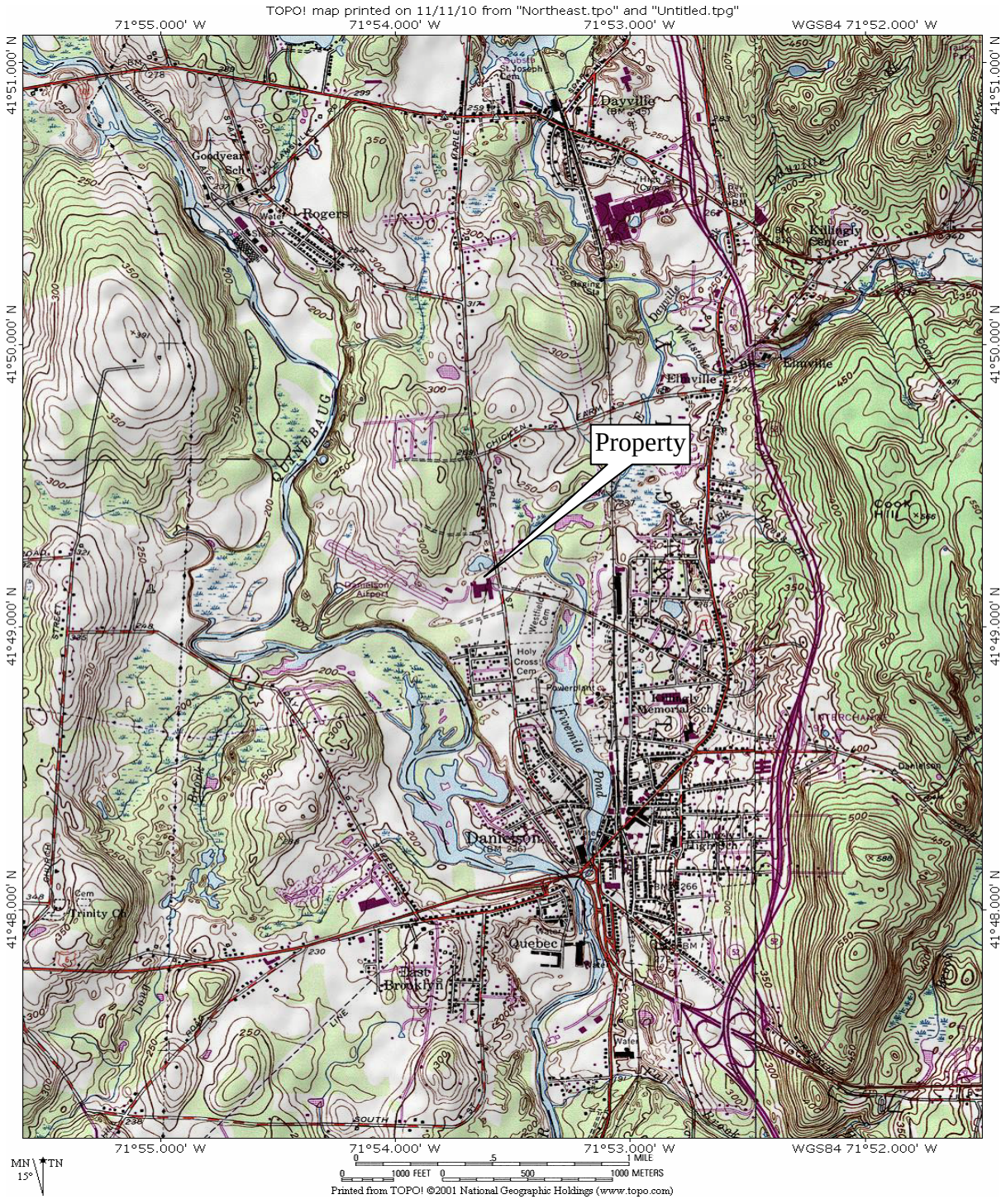
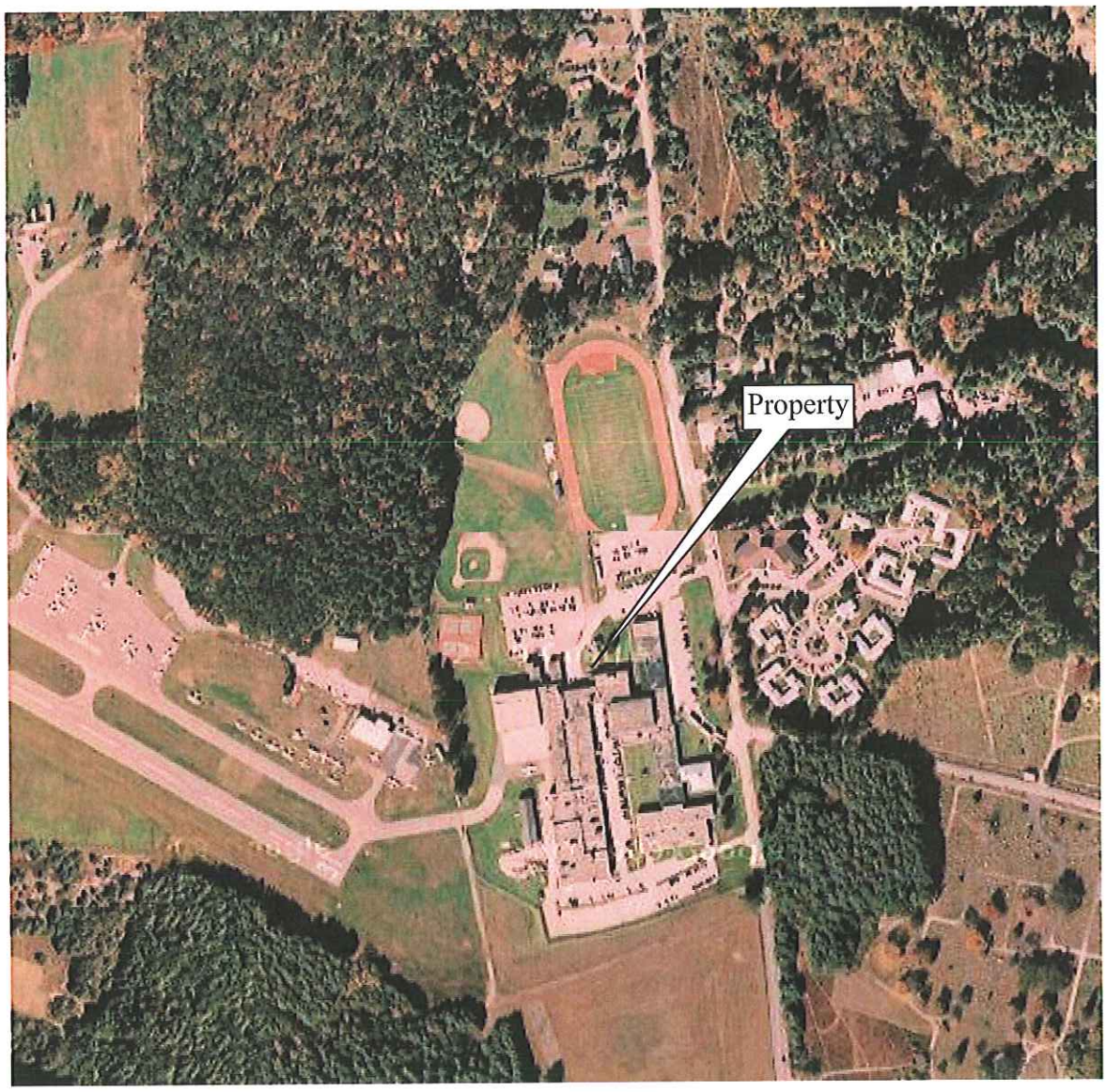


FIGURE 1

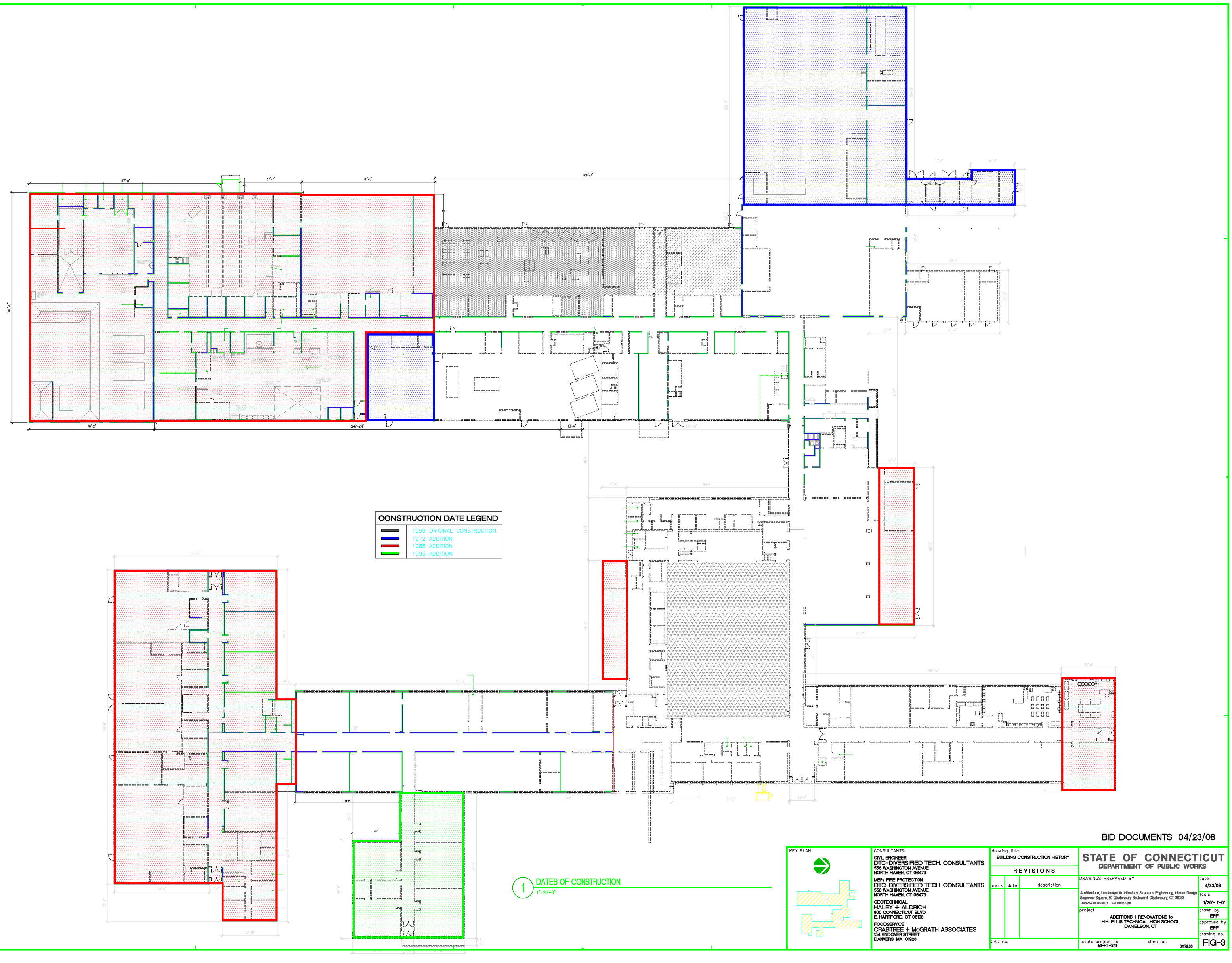
POLYCHLORINATED BIPHENYL (PCB)
ABATEMENT AND REMEDIATION PLAN (PARP)
SITE PLAN

Harvard H. Ellis Technical High School
613 Upper Maple Street
Danielson, Connecticut
Project Number: 61.22573.0015 Task 45



N

FIGURE 2



1 DATES OF CONSTRUCTION
1"=20'-0"

BID DOCUMENTS 04/23/08

KEY PLAN

CONSULTANTS

CIVIL ENGINEER
DTC-DIVERSIFIED TECH. CONSULTANTS
556 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

MEP/ FIRE PROTECTION
DTC-DIVERSIFIED TECH. CONSULTANTS
556 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

GEOTECHNICAL
HALEY + ALDRICH
600 CONNECTICUT BLVD.
E. HARTFORD, CT 06108

FOODSERVICE
CRABTREE + McGRATH ASSOCIATES
154 ANDOVER STREET
DANVERS, MA 01923

drawing title
BUILDING CONSTRUCTION HISTORY

REVISIONS

mark	date	description

CAD no.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC WORKS

DRAWINGS PREPARED BY

Architecture, Landscape Architecture, Structural Engineering, Interior Design
Somerset Square, 80 Glastonbury Boulevard, Glastonbury, CT 06033
Telephone 860 657-6077 Fax 860 657-048

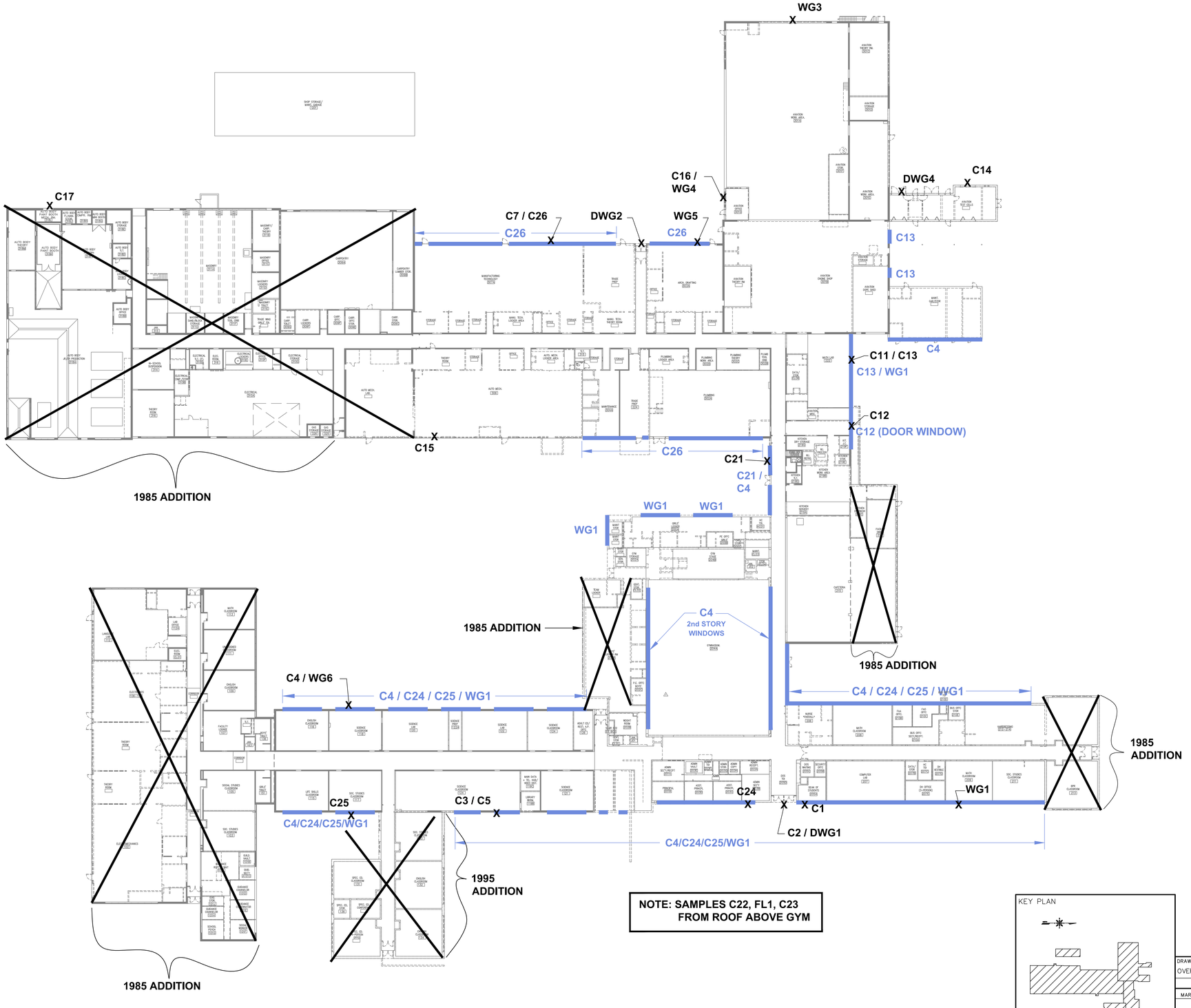
project
ADDITIONS + RENOVATIONS to
H.H. ELLIS TECHNICAL HIGH SCHOOL
DANIELSON, CT

state project no. BI-RT-841
slam no. 047b00

date 4/23/08
scale 1/20"= 1'-0"
drawn by EPF
approved by EPF
drawing no. FIG-3

TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING CAULKS/GLAZES
ELLIS TECH
DANIELSON, CONNECTICUT

Sample No.	Homogeneous Material Type	General Location	Total PCB (ppm)
C1	Exterior hard gray bldg caulk: (older)	Room 200,205,206,212,223,302,303,304,306,307 -windows-, gym-windows	0.62
D/WG1	Exterior black putty door window glaze (large, single pane)	Main entrance	ND<0.5
C2	Exterior white rubbery door frame caulk:	Main entrance, On A/C units outside room 115-124, 205-212	ND<0.5
C3	Exterior light gray putty window caulk:	Where metal frames intersect brick on windows outside Rooms 115-124, 205-212, main office area, aircraft 301, main office area, hallway next to 206	ND<0.5
WG1	Exterior/Interior hard gray window glaze	Windows in Rooms 115-124, main office area,200,205-212, 301, hallway next to 206	1.9
C4	Exterior beige rubbery caulk:	Around metal panel below windows outside Rooms 115-124, main office area,200,205-212, 301, hallway next to 206, Windows in hallway between room 200 and 218	1.2
C5	Exterior gray rubbery sticky caulk:	Around emergency windows outside Rooms 115-124,205-212,	0.9
C7	Exterior gray -slightly rubbery building caulk:	Building joints outside Rooms 115,117, 120 and 21,208,202	ND<0.5
D/WG2	Exterior black putty door window glaze (Single panel metal mesh window)	Exterior exit doors next to room 223 and 310	0.65
C11	Exterior hard gray/tan putty caulk:	Lower level boiler-windows/vents/door, room 301-exterior/exterior windows & doors, north and south end of aircraft 301-doors	0.70
C12	Exterior brown rubbery caulk:	Interior/exterior of doors and windows of exit doors next to room 301	9.3
C13	Exterior light gray caulk:	Room 301 windows, north end aircraft 301-doors	2.9
C14	Exterior cream rubbery bldg caulk:	Aircraft 301-doors, vents and joints, aircraft 301 exterior-as-doors, room 306-wall joints	0.5
D/WG4	Exterior gray hard garage door window glaze (10 pane door)	Garage door on north end of Aircraft 301	ND<0.5
C15	Interior/exterior maroon rubbery window caulk:	Windows/mental panels – Aircraft 301 extension, room 306	ND<0.5
WG3	Interior/exterior gray brittle window glaze	Windows/mental panels – Aircraft 301 extension, room 306	ND<0.5
WG4	Exterior hard gray window glaze	Windows on large bay door - Aircraft 301 extension	ND<0.5
C16	Exterior yellow/cream door caulk:	Around metal panels & windows of large garage bay door - Aircraft 301 extension	ND<0.5
WG5	Interior/exterior white/cream window glaze	Lower metal windows in room 223, 224,302,303,304,306,307 and gym	ND<0.5
C17	Exterior white soft vent caulk:	Room 318-vent	ND<0.5
C21	Exterior black rubbery caulk:	Windows in hallway between room 200 and 218	12
C22	Exterior white rubbery roof -building caulk:	Roof-above gym and room 304 area	ND<0.5
FL1	Exterior black flashing tar (caulk)	Roof-elevated gym windows along sill	ND<0.5
C23	Exterior white powdery non-flexible caulk:	Roof-elevated gym windows	ND<0.5
C24	Interior tan hard window caulk:	Where metal frames intersect brick on windows inside Rooms 115-124, 205-212, main office area, aircraft 301, main office area, hallway next to 206	3.9
C25	Interior hard gray brittle caulk:	Metal panels between rooms (interior side of windows with C4) (Around metal panel below windows inside Rooms 115-124, main office area,200,205-212, 301, hallway next to 206, Windows in hallway between room 200 and 218)	7.0
WG6	Interior black putty replacement window glaze	An occasional window in these general areas: Room 116-121, 301	0.54
C26	Interior/exterior gray seam caulk:	In-between metal frame seams of WG5 windows (Lower metal windows in room 223, 224,302,303,304,306,307 and gym)	1.37

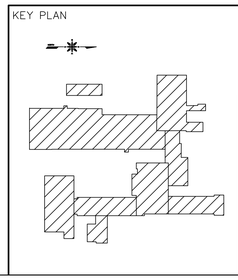


NOTE: SAMPLES C22, FL1, C23 FROM ROOF ABOVE GYM

LEGEND OF SYMBOLS

X C4	SAMPLE LOCATION
▬	CAULK >1 ppm AND < 50 ppm
XXX	CAULK < 1 ppm NOT SHOWN

KEY PLAN



1E OVERALL FIRST FLOOR PLAN
1" = 25'-0"

DRAWING TITLE: OVERALL FIRST FLOOR PLAN

REVISIONS

MARK	DATE:	DESCRIPTION

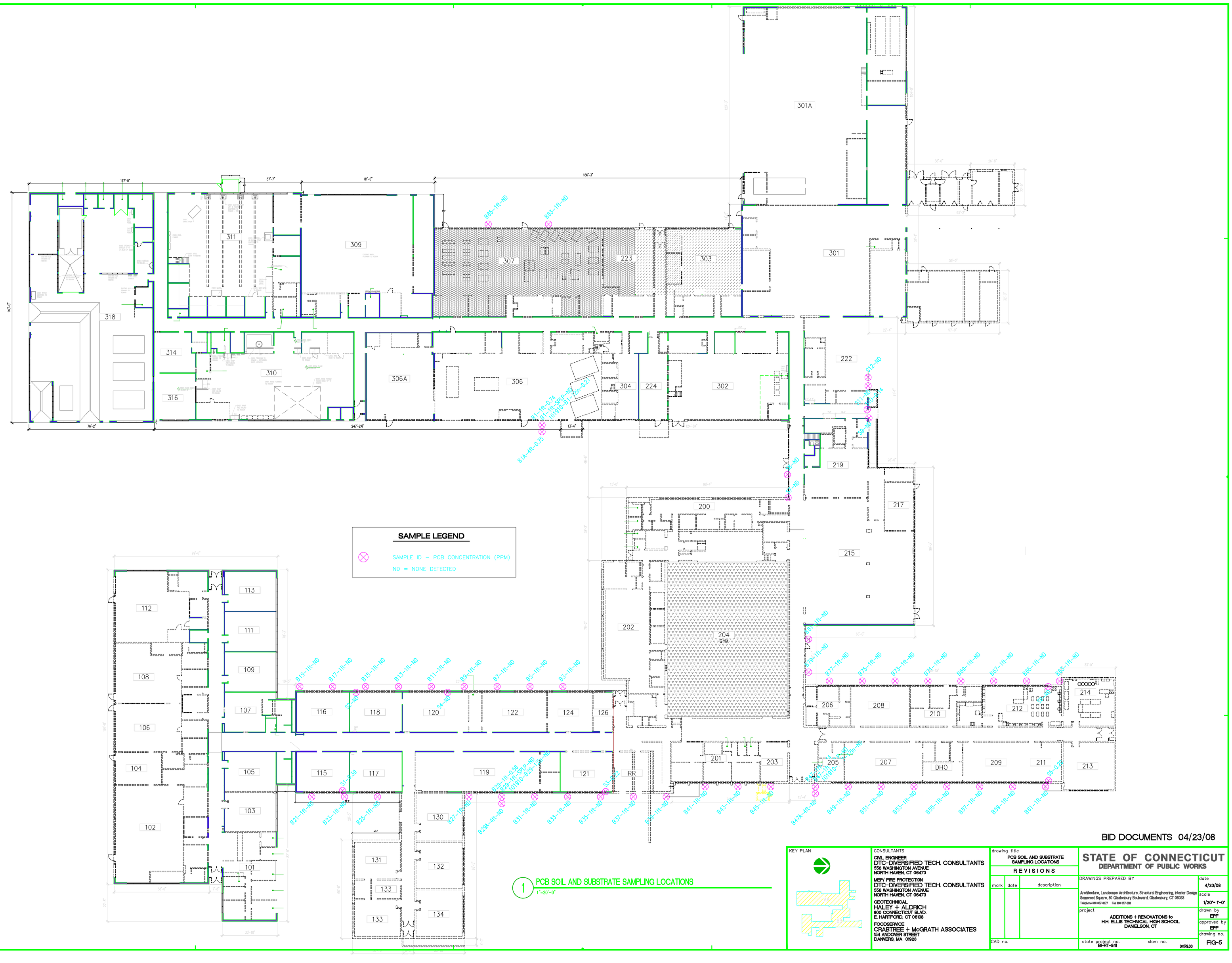
STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

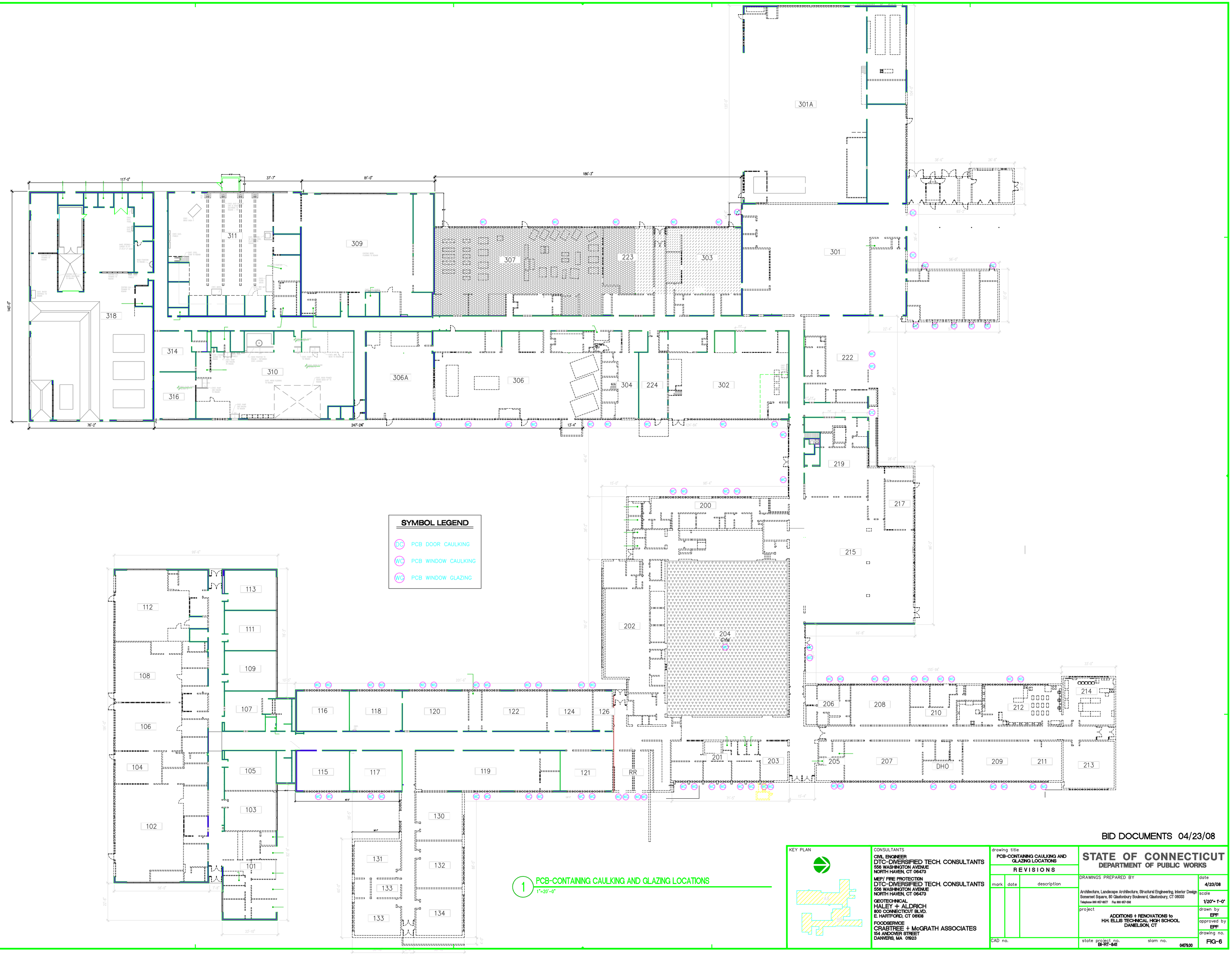
DRAWING PREPARED BY:
TRC
21 Griffin Road North
Windsor, CT 06095

DATE: 10-29-10
SCALE: AS NOTED
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: FIG-4

PROJECT: PCB CAULK SAMPLE / MATERIAL LOCATIONS
H.H. ELLIS TECHNICAL SCHOOL
DANIELSON, CT

PROJECT NO:





1 PCB-CONTAINING CAULKING AND GLAZING LOCATIONS
1"=20'-0"

BID DOCUMENTS 04/23/08

KEY PLAN

CONSULTANTS

CIVIL ENGINEER
DTC-DIVERSIFIED TECH. CONSULTANTS
556 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

MEP/ FIRE PROTECTION
DTC-DIVERSIFIED TECH. CONSULTANTS
556 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

GEOTECHNICAL
HALEY + ALDRICH
600 CONNECTICUT BLVD.
E. HARTFORD, CT 06108

FOODSERVICE
CRABTREE + McGRATH ASSOCIATES
154 ANDOVER STREET
DANVERS, MA 01923

drawing title
PCB-CONTAINING CAULKING AND GLAZING LOCATIONS

REVISIONS

mark	date	description

CAD no.

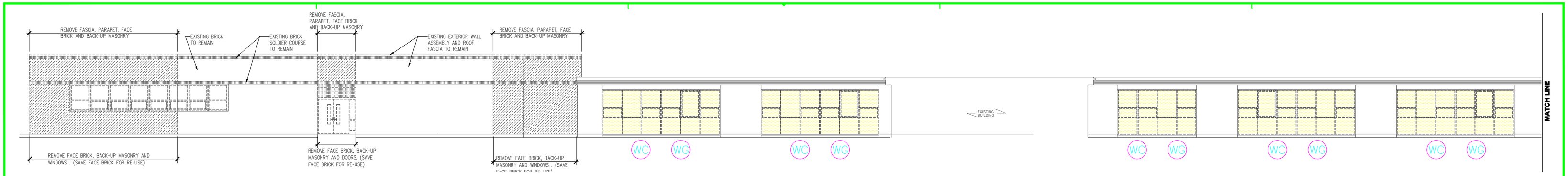
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC WORKS

DRAWINGS PREPARED BY
Architecture, Landscape Architecture, Structural Engineering, Interior Design
Somerset Square, 80 Glastonbury Boulevard, Glastonbury, CT 06033
Telephone 860 657-4677 Fax 860 657-0161

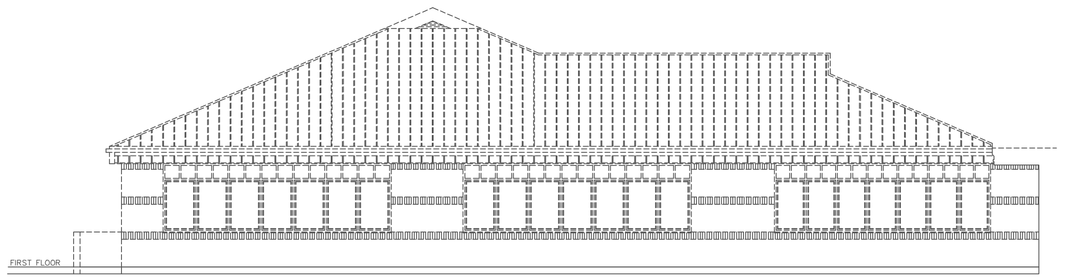
project
ADDITIONS + RENOVATIONS to
H.H. ELLIS TECHNICAL HIGH SCHOOL
DANIELSON, CT

state project no. BI-RT-841
slam no. 0479.00

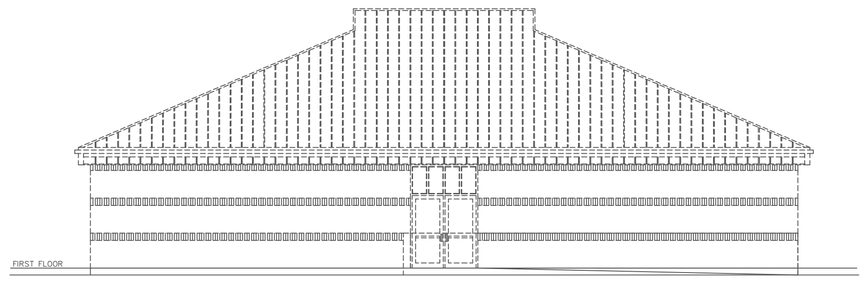
date 4/23/08
scale 1/20"= 1'-0"
drawn by EPF
approved by EPF
drawing no. FIG-6



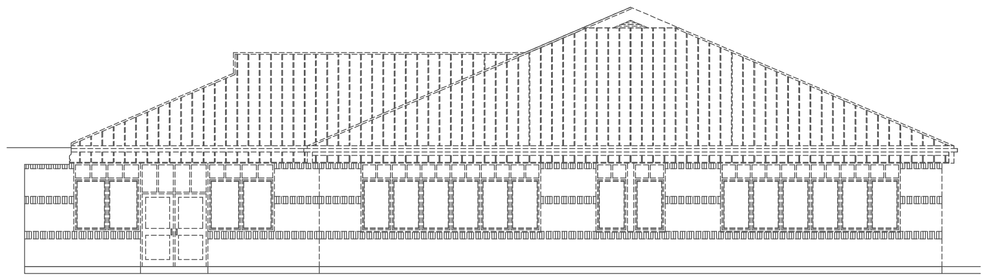
1 EAST ELEVATION
1/8" = 1'-0"



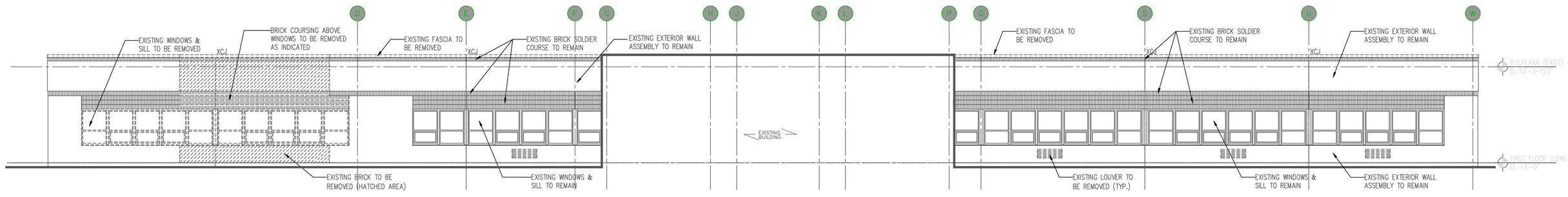
2 NORTH ELEVATION 1995 ADDITION
1/8" = 1'-0"



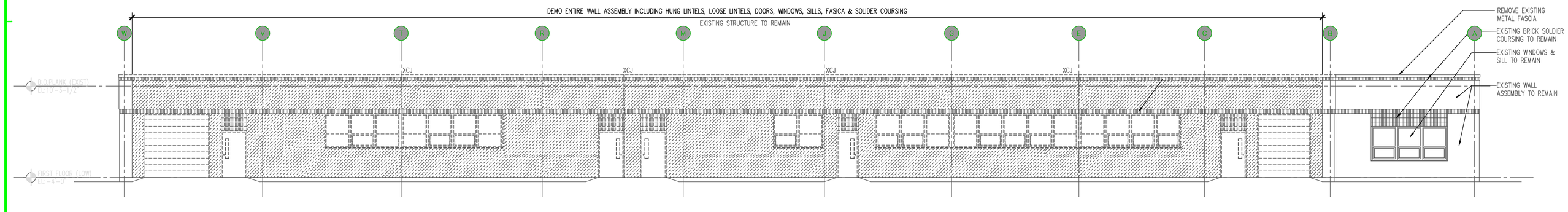
3 EAST ELEVATION 1995 ADDITION
1/8" = 1'-0"



4 SOUTH ELEVATION 1995 ADDITION
1/8" = 1'-0"



5 NORTH ELEVATION 1985 ADDITION
1/8" = 1'-0"

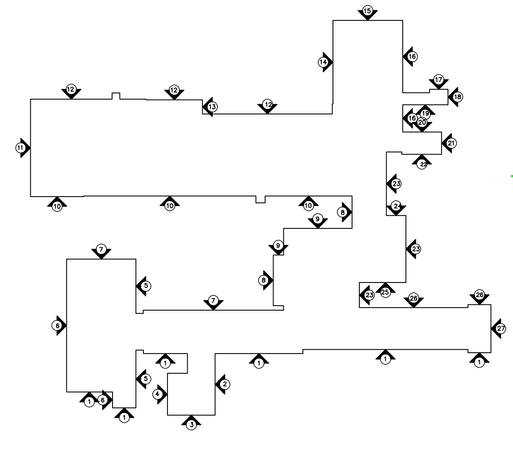


6 SOUTH ELEVATION 1985 ADDITION
1/8" = 1'-0"

SYMBOL LEGEND

- PCB DOOR CAULKING
- PCB WINDOW CAULKING
- PCB WINDOW CAULKING AND GLAZING
- DC PCB DOOR CAULKING
- WC PCB WINDOW CAULKING
- WG PCB WINDOW GLAZING

KEY PLAN



BID DOCUMENTS 04/23/08

KEY PLAN

CONSULTANTS

CIVIL ENGINEER
DTC-DIVERSIFIED TECH. CONSULTANTS
556 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

MEP/ FIRE PROTECTION
DTC-DIVERSIFIED TECH. CONSULTANTS
556 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

GEOTECHNICAL
HALEY + ALDRICH
800 CONNECTICUT BLVD.
E. HARTFORD, CT 06108

FOODSERVICE
CRABTREE + McGRATH ASSOCIATES
154 ANDOVER STREET
DANVERS, MA 01923

drawing title

REVISIONS

mark	date	description

CAD no.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC WORKS

DRAWINGS PREPARED BY
the SILLAM Collaborative
Architecture, Landscape Architecture, Structural Engineering, Interior Design
Somerset Square, 80 Glastonbury Boulevard, Glastonbury, CT 06033
Telephone 860 657-8677 Fax 860 657-1368

project
ADDITIONS + RENOVATIONS to
H.H. ELLIS TECHNICAL HIGH SCHOOL
DANIELSON, CT

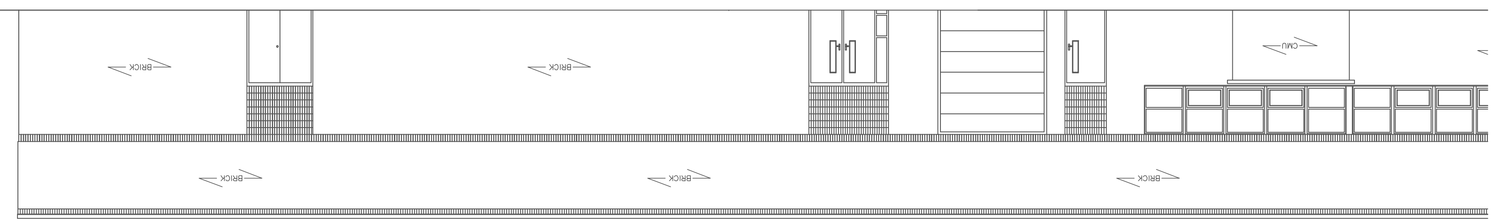
state project no. BI-RT-841
slam no. 0479.00

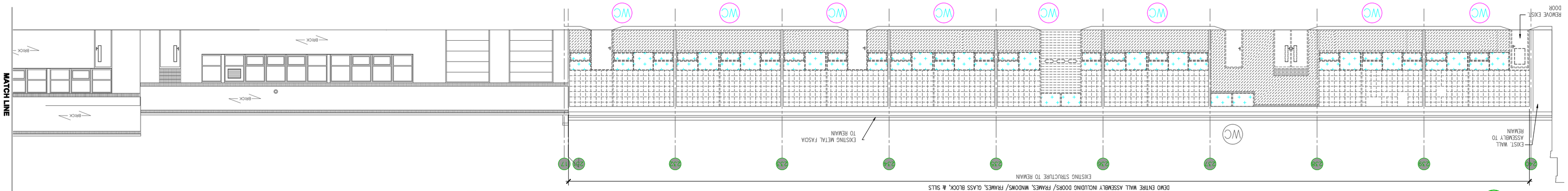
date 4/23/08
scale
drawn by
approved by
drawing no. FIG-7

BID DOCUMENTS 04/23/08

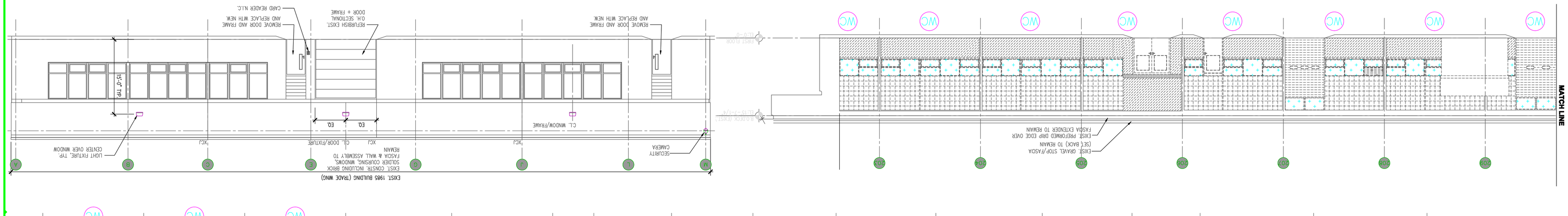
MATCH LINE

12 WEST ELEVATION
1/8" = 1'-0"





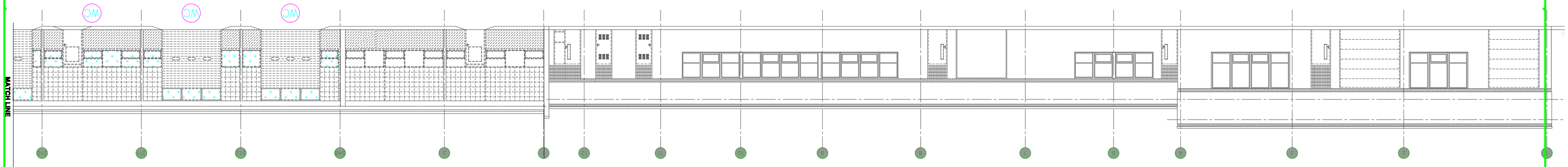
10 EAST ELEVATION
1/8" = 1'-0"



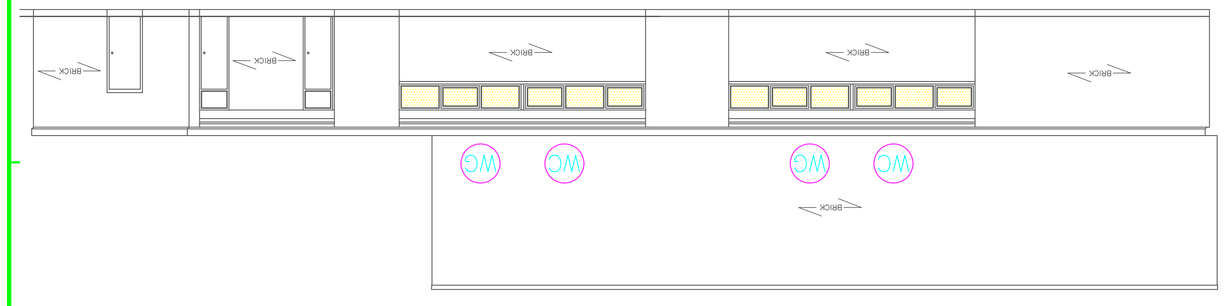
11 SOUTH ELEVATION 1985 ADDITION
1/8" = 1'-0"

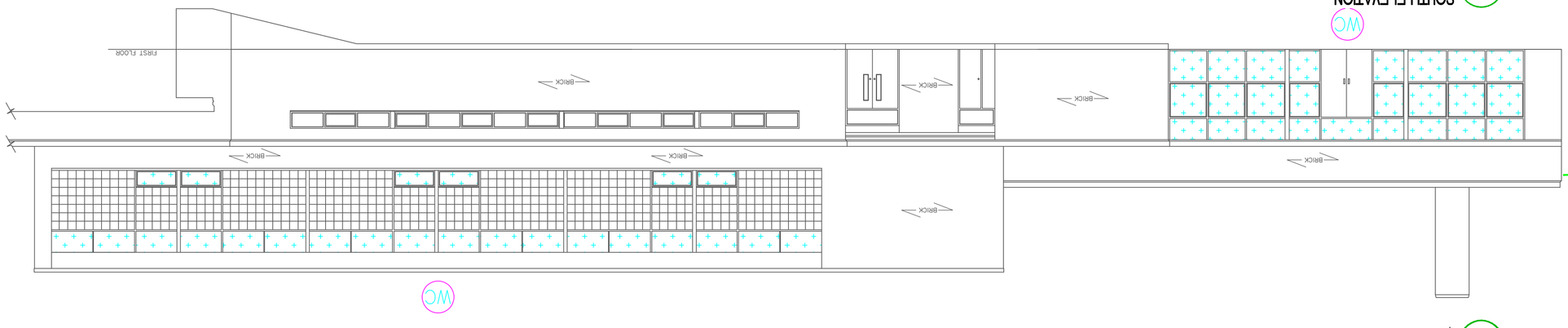
MATCH LINE

8 SOUTH ELEVATION
1/8" = 1'-0"

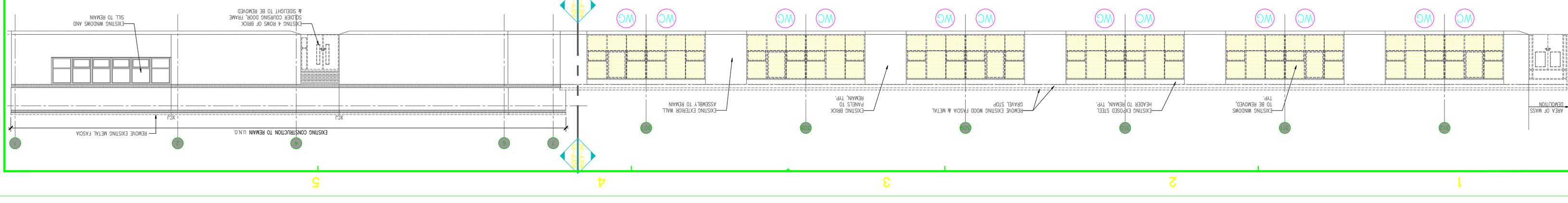


9 WEST ELEVATION
1/8" = 1'-0"





7 WEST ELEVATION
1/8" = 1'-0"



MATCH LINE

MATCH LINE

KEY PLAN

CONSULTANTS
CIVIL ENGINEER
DTC-DIVERSIFIED TECH CONSULTANTS
556 WASHINGTON AVENUE
NORTH HAVEN, CT 06473
MEP/ FIRE PROTECTION
DTC-DIVERSIFIED TECH CONSULTANTS
556 WASHINGTON AVENUE
NORTH HAVEN, CT 06473
GEOTECHNICAL
HALEY + ALDRICH
800 CONNECTICUT BLVD.
E HARTFORD, CT 06108
FOODSERVICE
CASTAGNEE + MCGRATH ASSOCIATES
154 ANDOVER STREET
DANVERS, MA 09123

drawing title

REVISIONS

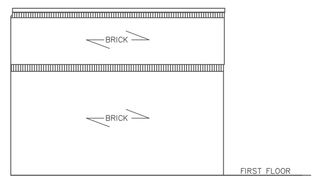
mark	date	description

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC WORKS

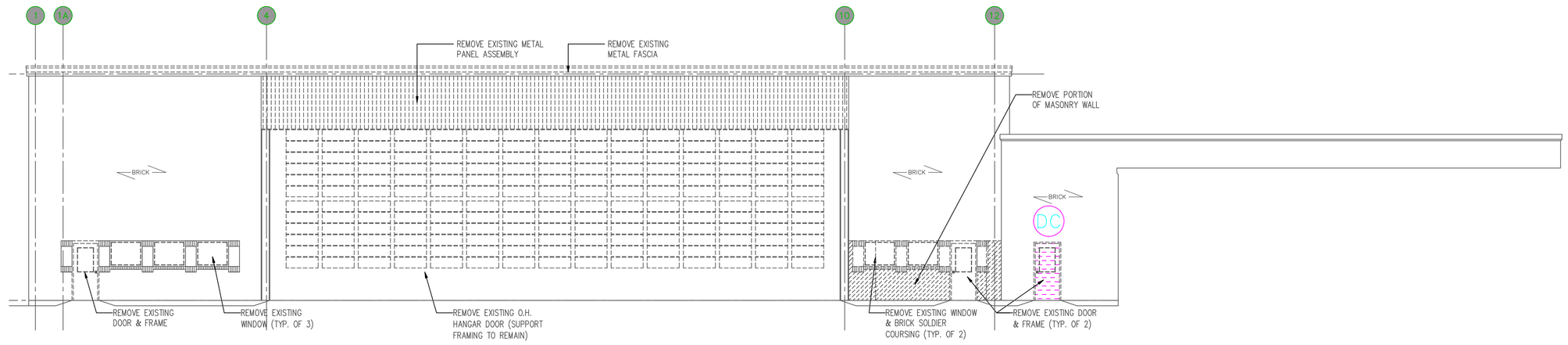
DRAWINGS PREPARED BY
The SILLIAM Collaborative
Architecture, Landscape Architecture, Structural Engineering, Interior Design
Somerset Square, 80 Glastonbury Boulevard, Glastonbury, CT 06033
Telephone 860-657-8877 Fax 860-657-8188

date 4/23/08
scale
project ADDITIONS + RENOVATIONS to H.H. ELLIS TECHNICAL HIGH SCHOOL DANIELSON, CT
drawn by
approved by
drawing no. FIG-8

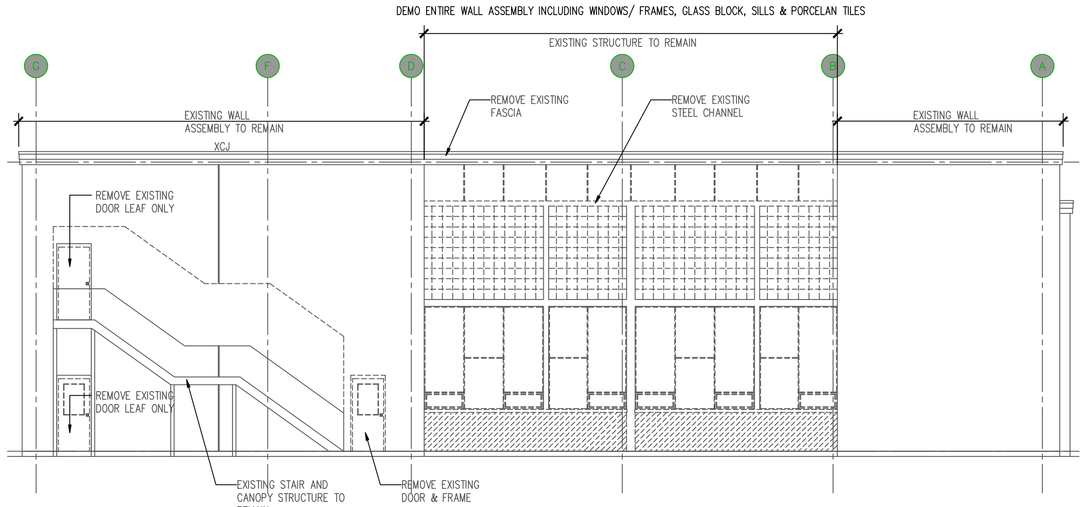
CAD no.
state project no. BR-TH-641 sht no. 042/300



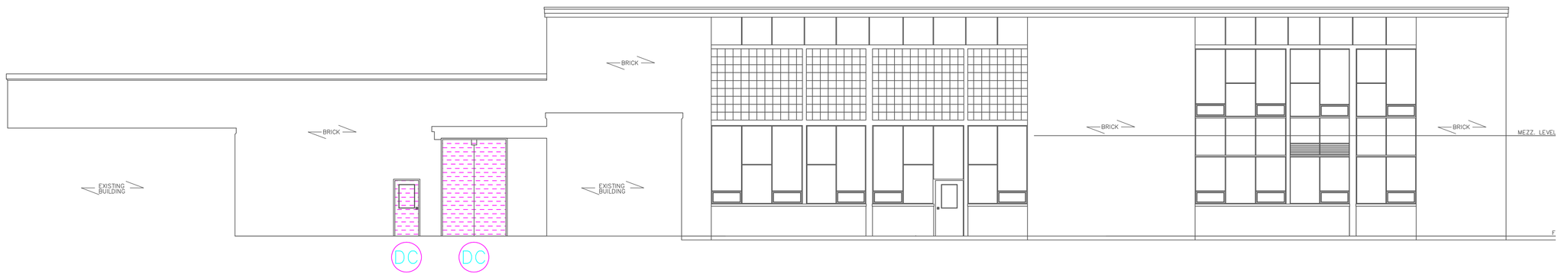
13 NORTH ELEVATION ADDITION
1/8" = 1'-0"



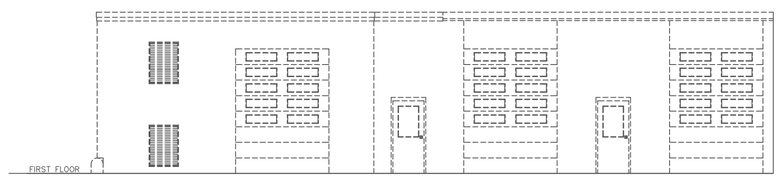
14 SOUTH ELEVATION
1/8" = 1'-0"



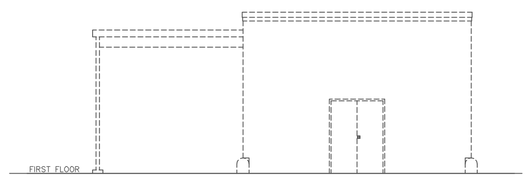
15 WEST ELEVATION
1/8" = 1'-0"



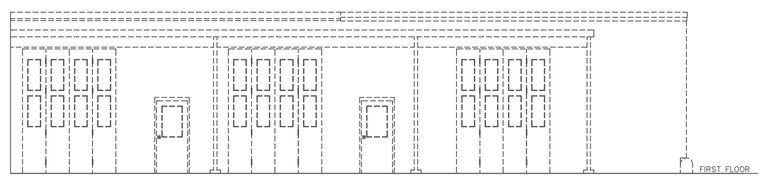
16 NORTH ELEVATION
1/8" = 1'-0"



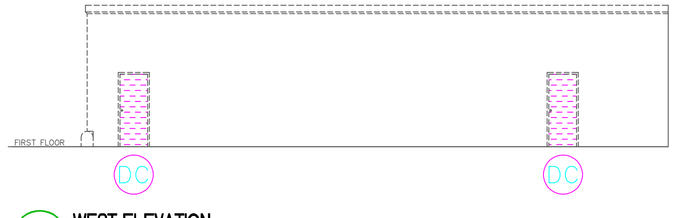
17 WEST ELEVATION
1/8" = 1'-0"



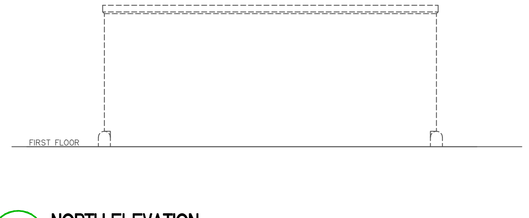
18 NORTH ELEVATION
1/8" = 1'-0"



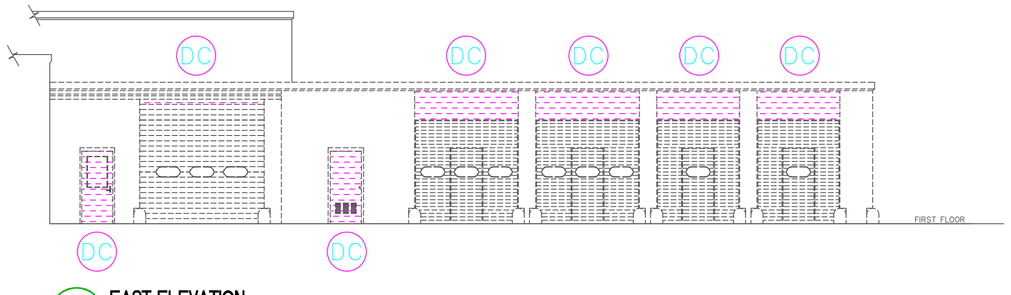
19 EAST ELEVATION
1/8" = 1'-0"



20 WEST ELEVATION
1/8" = 1'-0"



21 NORTH ELEVATION
1/8" = 1'-0"

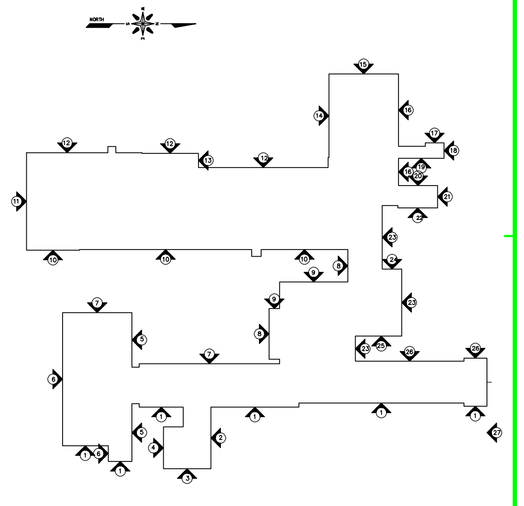


22 EAST ELEVATION
1/8" = 1'-0"

SYMBOL LEGEND

- PCB DOOR CAULKING
- PCB WINDOW CAULKING
- PCB WINDOW CAULKING AND GLAZING
- DC PCB DOOR CAULKING
- WC PCB WINDOW CAULKING
- WG PCB WINDOW GLAZING

KEY PLAN



BID DOCUMENTS 04/23/08

KEY PLAN

CONSULTANTS

CIVIL ENGINEER
DTC-DIVERSIFIED TECH. CONSULTANTS
556 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

MEP/ FIRE PROTECTION
DTC-DIVERSIFIED TECH. CONSULTANTS
556 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

GEOTECHNICAL
HALEY + ALDRICH
800 CONNECTICUT BLVD.
E. HARTFORD, CT 06108

FOODSERVICE
CRABTREE + McGRATH ASSOCIATES
154 ANDOVER STREET
DANVERS, MA 01923

drawing title

REVISIONS

mark	date	description

CAD no.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC WORKS

DRAWINGS PREPARED BY
the SILLiAM Collaborative
Architecture, Landscape Architecture, Structural Engineering, Interior Design
Somerset Square, 80 Glastonbury Boulevard, Glastonbury, CT 06033
Telephone 860 657-8677 Fax 860 657-1368

project
ADDITIONS + RENOVATIONS to
H.H. ELLIS TECHNICAL HIGH SCHOOL
DANIELSON, CT

state project no. BI-RT-841
sfam no. 047U00

date 4/23/08
scale
drawn by
approved by
drawing no. FIG-9

BID DOCUMENTS 04/23/08

KEY PLAN

1A

SYMBOL LEGEND

- PCB DOOR CAULKING
- PCB WINDOW CAULKING
- PCB WINDOW CAULKING AND GLAZING
- DC PCB DOOR CAULKING
- WC PCB WINDOW CAULKING
- WG PCB WINDOW GLAZING

KEY PLAN

CONSULTANTS

CIVIL ENGINEER
DTC-DIVERSIFIED TECH CONSULTANTS
556 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

MEP/ FIRE PROTECTION
DTC-DIVERSIFIED TECH CONSULTANTS
556 WASHINGTON AVENUE
NORTH HAVEN, CT 06473

GEOTECHNICAL
HALEY + ALDRICH
800 CONNECTICUT BLVD.
E HARTFORD, CT 06108

FOODSERVICE
CASTIGLIEE + McGRATH ASSOCIATES
104 ANDOVER STREET
DANVERS, MA 01923

drawing title

REVISIONS

mark	date	description

DRAWINGS PREPARED BY
The SILVAM Collaborative
Architecture, Landscape Architecture, Structural Engineering, Interior Design
Somerset Square, 50 Glastonbury Boulevard, Glastonbury, CT 06033
Telephone 860-657-8277 Fax 860-659-4588

project
ADDITIONS + RENOVATIONS to
H.H. ELLIS TECHNICAL HIGH SCHOOL
DANIELSON, CT

drawn by
approved by
drawing no.

CAD no.

state project no. 084-11-641 | state no. 047300

FIG-10

26 WEST ELEVATION
1/8" = 1'-0"

27 NORTH ELEVATION 1985 ADDITION
1/8" = 1'-0"

ADDITION

24 WEST ELEVATION ADDITION
1/8" = 1'-0"

25 EAST ELEVATION
1/8" = 1'-0"

23 NORTH ELEVATION
1/8" = 1'-0"

APPENDIX A

PCB Abatement Action Items for Excluded PCB Products

State of Connecticut

PCB ABATEMENT ACTION ITEMS FOR EXCLUDED PCB PRODUCTS

(INTERIOR AND EXTERIOR CAULK/GLAZING AND ASSOCIATED BUILDING MATERIALS)

Department of Public Works

ABATEMENT OF EXCLUDED PCB PRODUCTS:

- The Connecticut Department of Public Works (DPW) has developed "PCB Abatement Action Items" to be used in the development of plans and specifications for the abatement of Excluded PCB Products during renovation and demolition projects. For the purposes of developing the plans and specifications, "Excluded PCB Products" shall include (but not be limited to) original caulk and glazing, and associated porous building materials, that contain PCBs in concentrations ranging from greater than or equal to 1 ppm to less than 50 ppm. PCB Abatement Action Items have also been developed for the Interim Control of PCB-containing caulk/glazing prior to renovation/demolition activities. This includes the assessment, cleaning, and/or encapsulation of PCB-containing caulk/glazing, with subsequent monthly monitoring of the abatement area. All PCB Abatement Areas shall be restricted to authorized abatement personnel only.

PCB ABATEMENT ACTION ITEM FOR CAULK/GLAZING:

- All caulk/glazing containing PCBs ≥ 1 ppm and < 50 ppm shall be mechanically removed (during renovation/demolition activities) and disposed of appropriately as Connecticut Regulated Waste. Removal of caulk/glazing (and subsequent cleaning) may be reevaluated based upon the extent of glazing and windows. For a large "wall of windows" that contains glazing with PCBs at concentrations between ≥ 1 ppm and < 50 ppm, it might be more cost effective to remove the windows with the glazing intact and dispose of everything as Connecticut Regulated Waste. These determinations must be discussed first with the DPW Environmental Analyst.
- If no building substrate is required to be removed, then abatement activities shall be performed using BMPs (placing poly sheeting on the ground and adjacent horizontal surfaces, cleaning the area with a HEPA vacuum after removal, etc.) with no containment.
- Following abatement of PCB-containing caulk/glazing, surfaces shall be cleaned by wet brushing (using a nylon brush), wet wiping and sponging or cleaning by an equivalent method to remove all visible material (wire brushes are not permitted). Cleaning shall also include the use of HEPA filtered vacuum equipment.
- Post-abatement wipe sampling ("Cleanliness Verification Procedure") shall be performed at each abatement area. Wipe samples shall be collected from horizontal surfaces where dust generated might accumulate after the area is cleaned (number of wipe samples to be determined by DEP). Each containment area shall be considered to be sufficiently decontaminated if all wipe samples collected within the area are less than 1 µg/100 cm^2.

PCB ABATEMENT ACTION ITEM FOR POROUS BUILDING SUBSTRATE:

- Prior to abatement of PCB-containing caulk/glazing, verification samples shall be collected from the porous building substrate that is in contact with the top 3 highest PCB-containing caulk/glazing locations. Verification samples shall be collected as per the EPA Region 1 Standard Operating Procedure for Sampling Concrete (attached). The verification samples shall be analyzed for PCBs using EPA Methods 3540 (Soxhlet extraction method) and 8082. The building substrate shall be cleaned first to avoid cross-contamination of any dust from the adjacent caulk/glazing and be free of surface paint. Twenty (20) percent of the number of caulk/glazing removal locations with similar caulk/glazing shall be sampled and analyzed.
- If substrate sample results are < 1 ppm, the substrate shall be considered "unrestricted" and can be handled under normal conditions.
- In areas to be demolished, if substrate sample results are ≥ 1 ppm, then additional verification samples shall be collected to determine the depth at which PCBs are < 1 ppm and to plan for removing the building substrate to the appropriate depth. The substrate shall be removed using mechanical methods such as cutting, grinding, and pneumatic hammers (all attached with HEPA filtered vacuum equipment). The building substrate shall be disposed of as Connecticut Regulated Waste.
- In renovation areas, if substrate sample results are ≥ 1 ppm, then the architectural plans shall be consulted in order to determine if additional sampling, substrate removal, and/or encapsulation is required.
- In non-renovation areas, if substrate sample results are ≥ 1 ppm and the substrate cannot easily be removed, then options include, but are not limited to, abatement of the caulk/glazing and encapsulation of the building substrate with an annual exemption letter per CGS 22a-466.
- For building substrate removal at interior locations, full containment with negative air shall be utilized. Exterior building substrate removal shall require full containment with no negative air.
- Surfaces shall be cleaned by wet brushing (using a nylon brush), wet wiping and sponging or cleaning by an equivalent method to remove all visible material (wire brushes are not permitted). Cleaning shall also include the use of HEPA filtered vacuum equipment.
- Post-abatement wipe sampling ("Cleanliness Verification Procedure") shall be performed at the location of each interior containment. Wipe samples shall be collected from remaining horizontal surfaces where dust generated might accumulate after the area is cleaned (number of wipe samples to be determined by DEP). Each containment area shall be considered to be sufficiently decontaminated if all wipe samples collected within the area are less than 1 µg/100 cm^2.

INTERIM CONTROL MEASURES:

- All PCB-containing caulk and glazing around <u>interior doors and windows</u> and <u>exterior doors</u> (not windows) shall be visually assessed.
- If PCB-containing caulk/glazing is cracking/chipping, then the caulk/glazing shall be cleaned and encapsulated using epoxy paint (see attached specs).
- If PCB-containing caulk/glazing is in good condition, then the caulk/glazing shall be monitored on a monthly basis by the maintenance foreman; if it begins cracking/chipping, then the caulk/glazing shall be painted over with the epoxy paint.
- All cleaning and encapsulation work shall be performed while school is not in session.
- If the renovation/demolition project begins within a year of encapsulation, then no annual exemption letter (per CGS 22a-466) for the encapsulation shall be required.
- If the renovation/demolition project begins later than a year after encapsulation, then an annual exemption letter (per CGS 22a-466) for the encapsulation shall be required. In addition, wipe sampling shall be performed in the vicinity of the encapsulated caulk/glazing as well as the PCB-containing caulk/glazing that was not previously encapsulated. Based upon the results of the wipe sampling, the Interim Control Measures and monitoring requirements may need to be reevaluated.

APPENDIX B

Analytical Data Reports

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

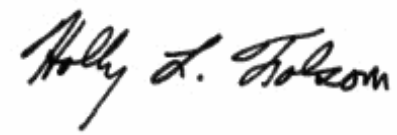
October 8, 2010

Andy Johnson
ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108

Project Location: Ellis Tech
Client Job Number:
Project Number: Ellis Tech
Laboratory Work Order Number: 10J0137

Enclosed are results of analyses for samples received by the laboratory on October 5, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Holly L. Folsom
Project Manager

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

ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108
ATTN: Andy Johnson

REPORT DATE: 10/8/2010

PURCHASE ORDER NUMBER: Ellis Tech

PROJECT NUMBER: Ellis Tech

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10J0137

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Ellis Tech

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B1-1ft	10J0137-01	Soil		SM 2540G	
				SW-846 8082	
B3-1ft	10J0137-05	Soil		SM 2540G	
				SW-846 8082	
B5-1ft	10J0137-09	Soil		SM 2540G	
				SW-846 8082	
B7-1ft	10J0137-13	Soil		SM 2540G	
				SW-846 8082	
B9-1ft	10J0137-17	Soil		SM 2540G	
				SW-846 8082	
B11-1ft	10J0137-21	Soil		SM 2540G	
				SW-846 8082	
B13-1ft	10J0137-25	Soil		SM 2540G	
				SW-846 8082	
B15-1ft	10J0137-29	Soil		SM 2540G	
				SW-846 8082	
B17-1ft	10J0137-33	Soil		SM 2540G	
				SW-846 8082	
B19-1ft	10J0137-37	Soil		SM 2540G	
				SW-846 8082	
B21-1ft	10J0137-41	Soil		SM 2540G	
				SW-846 8082	
B23-1ft	10J0137-45	Soil		SM 2540G	
				SW-846 8082	
B25-1ft	10J0137-49	Soil		SM 2540G	
				SW-846 8082	

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Samples received directly from the field.

SW-846 8082

Qualifications:

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.

Analyte & Samples(s) Qualified:

Aroclor-1260, Aroclor-1260 [2C]

B020216-MSD1

The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl [2C]

10J0137-01[B1-1ft], B020216-MS1, B020216-MSD1

Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl [2C]

10J0137-09[B5-1ft]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B1-1ft | Sampled: 10/5/2010 08:00

Sample ID: 10J0137-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:21	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:21	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:21	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:21	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:21	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:21	PJG
Aroclor-1260 [2]	0.74	0.12	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:21	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:21	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:21	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	117	30-150		10/7/10 17:21
Decachlorobiphenyl [2]	**245** *	30-150	S-02	10/7/10 17:21
Tetrachloro-m-xylene [1]	127	30-150		10/7/10 17:21
Tetrachloro-m-xylene [2]	144	30-150		10/7/10 17:21

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B1-1ft | Sampled: 10/5/2010 08:00

Sample ID: 10J0137-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.1		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B3-1ft | Sampled: 10/5/2010 08:20

Sample ID: 10J0137-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:35	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:35	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:35	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:35	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:35	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:35	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:35	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:35	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:35	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.8	30-150		10/7/10 17:35
Decachlorobiphenyl [2]	111	30-150		10/7/10 17:35
Tetrachloro-m-xylene [1]	107	30-150		10/7/10 17:35
Tetrachloro-m-xylene [2]	115	30-150		10/7/10 17:35

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B3-1ft | Sampled: 10/5/2010 08:20

Sample ID: 10J0137-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.3		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B5-1ft | Sampled: 10/5/2010 08:40

Sample ID: 10J0137-09

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:48	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:48	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:48	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:48	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:48	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:48	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:48	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:48	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 17:48	PJG

Surrogates	% Recovery		Recovery Limits	Flag	
Decachlorobiphenyl [1]	113		30-150		10/7/10 17:48
Decachlorobiphenyl [2]	**172**	*	30-150	S-12	10/7/10 17:48
Tetrachloro-m-xylene [1]	117		30-150		10/7/10 17:48
Tetrachloro-m-xylene [2]	129		30-150		10/7/10 17:48

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B5-1ft | Sampled: 10/5/2010 08:40

Sample ID: 10J0137-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.3		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B7-1ft | Sampled: 10/5/2010 09:00

Sample ID: 10J0137-13

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:02	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:02	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:02	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:02	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:02	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:02	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:02	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:02	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:02	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.9	30-150		10/7/10 18:02
Decachlorobiphenyl [2]	103	30-150		10/7/10 18:02
Tetrachloro-m-xylene [1]	108	30-150		10/7/10 18:02
Tetrachloro-m-xylene [2]	115	30-150		10/7/10 18:02

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B7-1ft | Sampled: 10/5/2010 09:00

Sample ID: 10J0137-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.4		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B9-1ft | Sampled: 10/5/2010 09:20

Sample ID: 10J0137-17

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:15	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:15	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:15	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:15	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:15	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:15	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:15	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:15	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 18:15	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.7	30-150		10/7/10 18:15
Decachlorobiphenyl [2]	94.1	30-150		10/7/10 18:15
Tetrachloro-m-xylene [1]	105	30-150		10/7/10 18:15
Tetrachloro-m-xylene [2]	112	30-150		10/7/10 18:15

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B9-1ft | Sampled: 10/5/2010 09:20

Sample ID: 10J0137-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.3		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B11-1ft | Sampled: 10/5/2010 09:40

Sample ID: 10J0137-21

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:14	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:14	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:14	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:14	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:14	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:14	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:14	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:14	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:14	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	99.2	30-150		10/8/10 11:14
Decachlorobiphenyl [2]	102	30-150		10/8/10 11:14
Tetrachloro-m-xylene [1]	103	30-150		10/8/10 11:14
Tetrachloro-m-xylene [2]	107	30-150		10/8/10 11:14

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B11-1ft | Sampled: 10/5/2010 09:40

Sample ID: 10J0137-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	99.6		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B13-1ft | Sampled: 10/5/2010 10:00

Sample ID: 10J0137-25

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:28	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:28	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:28	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:28	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:28	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:28	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:28	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:28	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:28	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	96.2	30-150		10/8/10 11:28
Decachlorobiphenyl [2]	99.6	30-150		10/8/10 11:28
Tetrachloro-m-xylene [1]	108	30-150		10/8/10 11:28
Tetrachloro-m-xylene [2]	116	30-150		10/8/10 11:28

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B13-1ft | Sampled: 10/5/2010 10:00

Sample ID: 10J0137-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.1		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B15-1ft | Sampled: 10/5/2010 10:20

Sample ID: 10J0137-29

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:41	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:41	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:41	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:41	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:41	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:41	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:41	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:41	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:41	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	99.3	30-150		10/8/10 11:41
Decachlorobiphenyl [2]	102	30-150		10/8/10 11:41
Tetrachloro-m-xylene [1]	103	30-150		10/8/10 11:41
Tetrachloro-m-xylene [2]	110	30-150		10/8/10 11:41

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B15-1ft | Sampled: 10/5/2010 10:20

Sample ID: 10J0137-29

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.6		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B17-1ft | Sampled: 10/5/2010 10:40

Sample ID: 10J0137-33

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:55	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:55	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:55	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:55	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:55	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:55	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:55	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:55	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/8/10 11:55	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.4	30-150		10/8/10 11:55
Decachlorobiphenyl [2]	97.2	30-150		10/8/10 11:55
Tetrachloro-m-xylene [1]	96.1	30-150		10/8/10 11:55
Tetrachloro-m-xylene [2]	104	30-150		10/8/10 11:55

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B17-1ft | Sampled: 10/5/2010 10:40

Sample ID: 10J0137-33

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.0		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B19-1ft | Sampled: 10/5/2010 11:00

Sample ID: 10J0137-37

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:23	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:23	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:23	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:23	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:23	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:23	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:23	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:23	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:23	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.8	30-150		10/7/10 19:23
Decachlorobiphenyl [2]	98.7	30-150		10/7/10 19:23
Tetrachloro-m-xylene [1]	113	30-150		10/7/10 19:23
Tetrachloro-m-xylene [2]	122	30-150		10/7/10 19:23

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B19-1ft | Sampled: 10/5/2010 11:00

Sample ID: 10J0137-37

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	91.9		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B21-1ft | Sampled: 10/5/2010 11:20

Sample ID: 10J0137-41

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:37	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:37	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:37	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:37	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:37	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:37	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:37	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:37	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:37	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.6	30-150		10/7/10 19:37
Decachlorobiphenyl [2]	103	30-150		10/7/10 19:37
Tetrachloro-m-xylene [1]	107	30-150		10/7/10 19:37
Tetrachloro-m-xylene [2]	114	30-150		10/7/10 19:37

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B21-1ft | Sampled: 10/5/2010 11:20

Sample ID: 10J0137-41

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.5		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B23-1ft | Sampled: 10/5/2010 11:40

Sample ID: 10J0137-45

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:50	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:50	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:50	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:50	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:50	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:50	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:50	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:50	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 19:50	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	96.8	30-150		10/7/10 19:50
Decachlorobiphenyl [2]	106	30-150		10/7/10 19:50
Tetrachloro-m-xylene [1]	107	30-150		10/7/10 19:50
Tetrachloro-m-xylene [2]	112	30-150		10/7/10 19:50

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B23-1ft | Sampled: 10/5/2010 11:40

Sample ID: 10J0137-45

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.4		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B25-1ft | Sampled: 10/5/2010 12:00

Sample ID: 10J0137-49

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 20:04	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 20:04	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 20:04	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 20:04	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 20:04	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 20:04	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 20:04	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 20:04	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/5/10	10/7/10 20:04	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	119	30-150		10/7/10 20:04
Decachlorobiphenyl [2]	123	30-150		10/7/10 20:04
Tetrachloro-m-xylene [1]	127	30-150		10/7/10 20:04
Tetrachloro-m-xylene [2]	136	30-150		10/7/10 20:04

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0137

Date Received: 10/5/2010

Field Sample #: B25-1ft | Sampled: 10/5/2010 12:00

Sample ID: 10J0137-49

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.3		% Wt	1		SM 2540G	10/6/10	10/7/10 11:08	FWD

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10J0137-01 [B1-1ft]	B020239	10/06/10
10J0137-05 [B3-1ft]	B020239	10/06/10
10J0137-09 [B5-1ft]	B020239	10/06/10
10J0137-13 [B7-1ft]	B020239	10/06/10
10J0137-17 [B9-1ft]	B020239	10/06/10
10J0137-21 [B11-1ft]	B020239	10/06/10
10J0137-25 [B13-1ft]	B020239	10/06/10
10J0137-29 [B15-1ft]	B020239	10/06/10
10J0137-33 [B17-1ft]	B020239	10/06/10
10J0137-37 [B19-1ft]	B020239	10/06/10
10J0137-41 [B21-1ft]	B020239	10/06/10
10J0137-45 [B23-1ft]	B020239	10/06/10
10J0137-49 [B25-1ft]	B020239	10/06/10

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10J0137-01 [B1-1ft]	B020216	10.0	50.0	10/05/10
10J0137-05 [B3-1ft]	B020216	10.0	50.0	10/05/10
10J0137-09 [B5-1ft]	B020216	10.1	50.0	10/05/10
10J0137-13 [B7-1ft]	B020216	10.0	50.0	10/05/10
10J0137-17 [B9-1ft]	B020216	10.1	50.0	10/05/10
10J0137-21 [B11-1ft]	B020216	10.0	50.0	10/05/10
10J0137-25 [B13-1ft]	B020216	10.1	50.0	10/05/10
10J0137-29 [B15-1ft]	B020216	10.0	50.0	10/05/10
10J0137-33 [B17-1ft]	B020216	10.0	50.0	10/05/10
10J0137-37 [B19-1ft]	B020216	10.1	50.0	10/05/10
10J0137-41 [B21-1ft]	B020216	10.0	50.0	10/05/10
10J0137-45 [B23-1ft]	B020216	10.0	50.0	10/05/10
10J0137-49 [B25-1ft]	B020216	10.0	50.0	10/05/10

con-test® ANALYTICAL LABORATORY

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

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B020216 - SW-846 3540C										
Blank (B020216-BLK1)				Prepared: 10/05/10 Analyzed: 10/07/10						
Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.223*		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.231*		mg/Kg wet	0.200		116	30-150			
Surrogate: Tetrachloro-m-xylene	*0.239*		mg/Kg wet	0.200		119	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.256*		mg/Kg wet	0.200		128	30-150			
LCS (B020216-BS1)				Prepared: 10/05/10 Analyzed: 10/07/10						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		97.5	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		104	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140			
Surrogate: Decachlorobiphenyl	*0.193*		mg/Kg wet	0.200		96.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.195*		mg/Kg wet	0.200		97.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg wet	0.200		99.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.212*		mg/Kg wet	0.200		106	30-150			
LCS Dup (B020216-BSD1)				Prepared: 10/05/10 Analyzed: 10/07/10						
Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		111	40-140	12.8	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg wet	0.200		124	40-140	14.5	30	
Aroclor-1260	0.25	0.10	mg/Kg wet	0.200		123	40-140	17.1	30	
Aroclor-1260 [2C]	0.24	0.10	mg/Kg wet	0.200		120	40-140	12.1	30	
Surrogate: Decachlorobiphenyl	*0.226*		mg/Kg wet	0.200		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.230*		mg/Kg wet	0.200		115	30-150			
Surrogate: Tetrachloro-m-xylene	*0.225*		mg/Kg wet	0.200		112	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.237*		mg/Kg wet	0.200		119	30-150			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B020216 - SW-846 3540C											
Matrix Spike (B020216-MS1)	**Source: 10J0137-01**			Prepared: 10/05/10 Analyzed: 10/07/10							
Aroclor-1016	0.33	0.12	mg/Kg dry	0.247	0.0	135		40-140			
Aroclor-1016 [2C]	0.32	0.12	mg/Kg dry	0.247	0.0	128		40-140			
Aroclor-1260	0.81	0.12	mg/Kg dry	0.247	0.64	70.8		40-140			
Aroclor-1260 [2C]	0.88	0.12	mg/Kg dry	0.247	0.74	55.6		40-140			
Surrogate: Decachlorobiphenyl	*0.256*		mg/Kg dry	0.247		104		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.512*		mg/Kg dry	0.247		**208**	*	30-150			S-02
Surrogate: Tetrachloro-m-xylene	*0.296*		mg/Kg dry	0.247		120		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.334*		mg/Kg dry	0.247		135		30-150			
Matrix Spike Dup (B020216-MSD1)	**Source: 10J0137-01**			Prepared: 10/05/10 Analyzed: 10/07/10							
Aroclor-1016	0.28	0.12	mg/Kg dry	0.247	0.0	114		40-140	17.0	50	
Aroclor-1016 [2C]	0.26	0.12	mg/Kg dry	0.247	0.0	104		40-140	20.6	50	
Aroclor-1260	0.69	0.12	mg/Kg dry	0.247	0.64	**20.5**	*	40-140	16.5	50	MS-13
Aroclor-1260 [2C]	0.71	0.12	mg/Kg dry	0.247	0.74	**-9.85**	*	40-140	20.3	50	MS-13
Surrogate: Decachlorobiphenyl	*0.204*		mg/Kg dry	0.247		82.7		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.627*		mg/Kg dry	0.247		**254**	*	30-150			S-02
Surrogate: Tetrachloro-m-xylene	*0.225*		mg/Kg dry	0.247		91.1		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.260*		mg/Kg dry	0.247		105		30-150			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
MS-13	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Outlier should be viewed as a one time anomaly.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
S-12	Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082 in Soil	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

1050137

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

Page 1 of 1

Company Name: ATC ASSOCIATES
Address: 290 ROBERTS STREET SUITE 301
EAST HARTFORD, CT 06108
Attention: ED FENNELL
Project Location: ELLIS TECH
Sampled By: AJ

Telephone: 860 282-9924
Project # Ellis Tech
Client PO # Ellis Tech

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: edward.fennell@atcassociates.com
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soxhlet Method										# of containe	**Preservati	-Cont.Code
B1-1'	Run	-01	10-5-10	8:00		X	S	U	X												
B1-A4'	Hold	-02		8:05		X			X												
B2-1'	Hold	-03		8:10		X			X												
B2-A-4	Hold	-04		8:15		X			X												
B3-1'	Run	-05		8:20		X			X												
B3A 4'	Hold	-06		8:25		X			X												
B4-1'	Hold	-07		8:30		X			X												
B4A-4'	Hold	-08	↓	8:35		X	↓	↓	X												

ANALYSIS REQUESTED

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

Client Comments:
Run
B1-1'
B3-1'
Hold
all others
until
further
notice

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10.5.10 13:40 ~~14:20~~	
Received by: (signature)	Date/Time: 10/6/10 13:40	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☑ Other 3 Day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certifi

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Page 2 of 7

Company Name: ATC ASSOCIATES
Address: 290 ROBERTS ST. SUITE 301
EAST HARTFORD, CT
Attention: ED FENNELL
Project Location: ELLIS TECH
Sampled By: AJ

Telephone: (860) 282-9924
Project # Ellis Tech
Client PO # Ellis Tech

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCB's 8082 Soil/Lf									# of contain	**Preservat	~Cont.Code
B5-1'	Raw	-09	10-5-10	8:40		X	S	U	X											
B5A-4'	Hold	-10		8:45		X			X											
B6-1'	Hold	-11		8:50		X			X											
B6A-4'	Hold	-12		8:55		X			X											
B7-1'	Raw	-13		9:00		X			X											
B7A-4'	Hold	-14		9:05		X			X											
B8-1'	Hold	-15		9:10		X			X											
B8A-4'	Hold	-16	↓	9:15		X	↓	↓	X											

ANALYSIS REQUESTED

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

Client Comments:
Raw
B5-1'
&
B7-1'
Hold
all
Others

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10 1344	
Received by: (signature)	Date/Time: 10/5/10 1344	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Page 3 of 4

Company Name: ATC Associates
Address: 290 Roberts Street Suite 301
East Hartford, CT 06108
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: AJ

Telephone: (860) 282-9924
Project # Ellis Tech
Client PO # Ellis Tech

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: edward.fennell@atcassociates.com
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PCBs BOL Sublist	# of containe	**Preservati	~Cont.Code
B9-1'	Raw	-17	10-5-10	9:20		X	S	U	X			
B9A-4'	Hold	-18		9:25		X			X			
B10-1'	Hold	-19		9:30		X			X			
B10A-4'	Hold	-20		9:35		X			X			
B11-1'	Raw	-21		9:40		X			X			
B11A-4'	Hold	-22		9:45		X			X			
B12-1'	Hold	-23		9:50		X			X			
B12A-4'	Hold	-24	↓	9:55		X	↓	↓	X			

ANALYSIS REQUESTED

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

Client Comments:
Raw,
B9-1
↓
B11-1
Hold
others

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10 1344	
Received by: (signature)	Date/Time: 10/5/10 1344	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Page 1 of 1

Company Name: ATC ASSOCIATES, INC.
Address: 290 ROBERTS STREET SUITE 301
EAST HARTFORD, CT
Attention: ED FENNELL
Project Location: ELLIS TECH
Sampled By: AJ

Telephone: (860) 282-9929
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

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

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

PCBs 8082 Soil, Lt

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	# of containers
B13-1'	Raw	-25	10:5:10	10:00		X	S	G	1
B13A-4'	Hold	-26		10:05		X			1
B14-1'	Hold	-27		10:10		X			1
B14A-4'	Hold	-28		10:15		X			1
B15-1'	Raw	-29		10:20		X			1
B15A-4'	Hold	-30		10:25		X			1
B16-1'	Hold	-31		10:30		X			1
B16A-4'	Hold	-32		10:35		X			1

Laboratory Comments:

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

Client Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10 1344
Received by: (signature)	Date/Time: 10/11/10 1344
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 Day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Page 5 of 7

Company Name: ATC ASSOCIATES
Address: 290 ROBERTS STREET
EAST HARTFORD, CT
Attention: ED FENNELL
Project Location: ELLIS TECH
Sampled By: AJ

Telephone: (860) 282-9924
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

PCB 8082 Soil, F

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code
B17-1'	Raw	-33	10-5-10	10:40		X	S	4
B17A-4'	Hold	-34		10:45		X		
B18-1	Hold	-35		10:50		X		
B18A-4'	Hold	-36		10:55		X		
B19-1'	Raw	-37		11:00		X		
B19A-4'	Hold	-38		11:05		X		
B20-1'	Hold	-39		11:10		X		
B20A-4'	Hold	-40		11:15		X		

Client Comments:
Raw B17-1' + B19-1' Hold Others

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

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10, 12:10	1344
Received by: (signature)	Date/Time: 10/5/10	1344
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day

RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Page 6 of 6

Company Name: ATC ASSOCIATES
Address: 290 ROBERTS STREET SUITE 501
EAST HARTFORD, CT 06108
Attention: ED FONNECC
Project Location: ELLIS TECH
Sampled By: AJ

Telephone: (860) 282.9924
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

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

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

RCP 8082 Soil List

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Stop Date/Time	Composite	Grab	Matrix Code	Conc. Code	# of containers	Preservative	Cont. Code
B21-1'	Raw	-41	10-5-10	11:20		X	S	U	X		
B21A-4'	Hold	-42		10:25		X			X		
B22-1'	Hold	-43		11:30		X			X		
B22A-4'	Hold	-44		11:35		X			X		
B23-1'	Raw	-45		11:40		X			X		
B23A-4'	Hold	-46		11:45		X			X		
B24-1'	Hold	-47		11:50		X			X		
B24A-4'	Hold	-48		11:55		X			X		

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

Client Comments:
RUN
B21-1'
B23-1'
Hold
others

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10 1344 ~~11:20~~
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Page 1 of 1

Company Name: ATC ASSOCIATES
Address: 290 ROBERTS STREET
EAST HARTFORD, CT
Attention: RB FENNELL
Project Location: ELLIS TECH
Sampled By: AJ

Telephone: (860) 282-9924
Project # _____
Client PO # _____

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # : _____
Email: _____
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER _____

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

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

PCBs 8082 Soil Wipe

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	# of containers	**Preservation Code	~Cont.Code
B25-1'	Raw	-49	10-5-10	12:00		X	S	G	X		
B25-A4'	Hold	-50		12:05		X			X		
B26-1'	Hold	-51		12:10		X			X		
B26A-4'	Hold	-52		12:15		X			X		

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

Client Comments:
Raw
B25-1'
Hold
Others

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10 1:34
Received by: (signature)	Date/Time: 10/5/10 1:44
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 days
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

www.contestlabs.com

con-test® ANALYTICAL LABORATORY

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

Sample Receipt Checklist

CLIENT NAME: ATC Associates RECEIVED BY: GB/CEC DATE: 10/5/10

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

2) Does the chain agree with the samples? (Yes) No
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) How were the samples received:
On Ice ☐ Direct from Sampling ☑ Ambient ☐ In Cooler(s) ☐

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 16.0 °C

5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? (Yes) No Stored where: 19

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	34
500 mL Amber		4 oz amber/clear jar	18
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:
Sample B26A-4' is labeled B26A 1' Client confirmed that Sample B26A-4' should be labeled B26A-4' 10/7/10 JG

Time and Date Frozen:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A) _____

June 2010

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: ATC Associates - Connecticut

Project Location: Ellis Tech

Project Number: 10J0137

Laboratory Sample ID(s):

10J0137-01 thru 10J0137-49

Sample Date(s):

10/05/2010

List RCP Methods Used:

SW-846 8082

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

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

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

Authorized Signature:  **Position:** Laboratory Manager

Printed Name: Daren J. Damboragian **Date:** 10/08/10

Name of Laboratory: Con-Test Analytical Laboratory

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

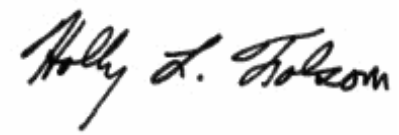
October 12, 2010

Ed Fennell
ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108

Project Location: Ellis Tech
Client Job Number:
Project Number: Ellis Tech
Laboratory Work Order Number: 10J0178

Enclosed are results of analyses for samples received by the laboratory on October 6, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Holly L. Folsom
Project Manager

con-test® ANALYTICAL LABORATORY

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

ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108
ATTN: Ed Fennell

REPORT DATE: 10/12/2010

PURCHASE ORDER NUMBER: 10-061-0004

PROJECT NUMBER: Ellis Tech

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10J0178

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Ellis Tech

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-27-1ft	10J0178-01	Soil		SM 2540G	
				SW-846 8082	
B-29-1ft	10J0178-05	Soil		SM 2540G	
				SW-846 8082	
B-31-1ft	10J0178-09	Soil		SM 2540G	
				SW-846 8082	
B-33-1ft	10J0178-13	Soil		SM 2540G	
				SW-846 8082	
B-35-1ft	10J0178-17	Soil		SM 2540G	
				SW-846 8082	
B-37-1ft	10J0178-21	Soil		SM 2540G	
				SW-846 8082	
B-39-1ft	10J0178-25	Soil		SM 2540G	
				SW-846 8082	
B-41-1ft	10J0178-29	Soil		SM 2540G	
				SW-846 8082	
B-43-1ft	10J0178-33	Soil		SM 2540G	
				SW-846 8082	
B-45-1ft	10J0178-37	Soil		SM 2540G	
				SW-846 8082	
B-47-1ft	10J0178-41	Soil		SM 2540G	
				SW-846 8082	
B-49-1ft	10J0178-45	Soil		SM 2540G	
				SW-846 8082	
B-51-1ft	10J0178-49	Soil		SM 2540G	
				SW-846 8082	
B-53-1ft	10J0178-53	Soil		SM 2540G	
				SW-846 8082	
B-55-1ft	10J0178-57	Soil		SM 2540G	
				SW-846 8082	
B-57-1ft	10J0178-61	Soil		SM 2540G	
				SW-846 8082	
B-59-1ft	10J0178-65	Soil		SM 2540G	
				SW-846 8082	
B-61-1ft	10J0178-69	Soil		SM 2540G	
				SW-846 8082	
B-63-1ft	10J0178-73	Soil		SM 2540G	
				SW-846 8082	
B-65-1ft	10J0178-77	Soil		SM 2540G	
				SW-846 8082	

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

ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108
ATTN: Ed Fennell

REPORT DATE: 10/12/2010

PURCHASE ORDER NUMBER: 10-061-0004

PROJECT NUMBER: Ellis Tech

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10J0178

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Ellis Tech

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-67-1ft	10J0178-81	Soil		SM 2540G	
				SW-846 8082	
B-69-1ft	10J0178-85	Soil		SM 2540G	
				SW-846 8082	
B-71-1ft	10J0178-89	Soil		SM 2540G	
				SW-846 8082	
B-73-1ft	10J0178-93	Soil		SM 2540G	
				SW-846 8082	
B-75-1ft	10J0178-96	Soil		SM 2540G	
				SW-846 8082	
B-77-1ft	10J0178-AB	Soil		SM 2540G	
				SW-846 8082	
B-79-1ft	10J0178-AF	Soil		SM 2540G	
				SW-846 8082	
B-81-1ft	10J0178-AJ	Soil		SM 2540G	
				SW-846 8082	
B-83-1ft	10J0178-AN	Soil		SM 2540G	
				SW-846 8082	
B-85-1ft	10J0178-AR	Soil		SM 2540G	
				SW-846 8082	

con-test® ANALYTICAL LABORATORY

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082

Qualifications:

Matrix spike and spike duplicate recovery bias high due to contribution of other Aroclors present in source sample.

Analyte & Samples(s) Qualified:

Aroclor-1016, Aroclor-1016 [2C], Aroclor-1260, Aroclor-1260 [2C]

B020352-MS1, B020352-MSD1

Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported. Possibly contains Aroclor 1248 as well. See attached chromatogram.

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]

10J0178-05[B-29-1ft]

Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl [2C]

10J0178-AF[B-79-1ft], 10J0178-AN[B-83-1ft]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-27-1ft | Sampled: 10/6/2010 07:30

Sample ID: 10J0178-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:34	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:34	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:34	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:34	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:34	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:34	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:34	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:34	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:34	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	72.2	30-150		10/11/10 14:34
Decachlorobiphenyl [2]	75.5	30-150		10/11/10 14:34
Tetrachloro-m-xylene [1]	72.4	30-150		10/11/10 14:34
Tetrachloro-m-xylene [2]	75.7	30-150		10/11/10 14:34

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-27-1ft | Sampled: 10/6/2010 07:30

Sample ID: 10J0178-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.4		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-29-1ft | Sampled: 10/6/2010 07:38

Sample ID: 10J0178-05

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:49	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:49	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:49	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:49	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:49	PJG
Aroclor-1254 [2]	0.56	0.10	mg/Kg dry	1	O-21	SW-846 8082	10/7/10	10/11/10 14:49	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:49	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:49	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 14:49	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.3	30-150		10/11/10 14:49
Decachlorobiphenyl [2]	90.3	30-150		10/11/10 14:49
Tetrachloro-m-xylene [1]	77.3	30-150		10/11/10 14:49
Tetrachloro-m-xylene [2]	78.6	30-150		10/11/10 14:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-29-1ft | Sampled: 10/6/2010 07:38

Sample ID: 10J0178-05

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.8		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-31-1ft | Sampled: 10/6/2010 07:46

Sample ID: 10J0178-09

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:03	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:03	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:03	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:03	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:03	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:03	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:03	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:03	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:03	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	71.6	30-150		10/11/10 15:03
Decachlorobiphenyl [2]	74.3	30-150		10/11/10 15:03
Tetrachloro-m-xylene [1]	73.0	30-150		10/11/10 15:03
Tetrachloro-m-xylene [2]	76.7	30-150		10/11/10 15:03

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-31-1ft | Sampled: 10/6/2010 07:46

Sample ID: 10J0178-09

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.8		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-33-1ft | Sampled: 10/6/2010 07:54

Sample ID: 10J0178-13

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:18	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:18	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:18	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:18	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:18	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:18	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:18	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:18	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	78.7	30-150		10/11/10 15:18
Decachlorobiphenyl [2]	82.3	30-150		10/11/10 15:18
Tetrachloro-m-xylene [1]	80.5	30-150		10/11/10 15:18
Tetrachloro-m-xylene [2]	82.9	30-150		10/11/10 15:18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-33-1ft | Sampled: 10/6/2010 07:54

Sample ID: 10J0178-13

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.5		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-35-1ft | Sampled: 10/6/2010 08:02

Sample ID: 10J0178-17

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:32	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:32	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:32	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:32	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:32	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:32	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:32	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:32	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:32	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	73.0	30-150		10/11/10 15:32
Decachlorobiphenyl [2]	77.3	30-150		10/11/10 15:32
Tetrachloro-m-xylene [1]	74.7	30-150		10/11/10 15:32
Tetrachloro-m-xylene [2]	77.5	30-150		10/11/10 15:32

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-35-1ft | Sampled: 10/6/2010 08:02

Sample ID: 10J0178-17

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.9		% Wt	1		SM 2540G	10/8/10	10/8/10 19:36	PJS

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-37-1ft | Sampled: 10/6/2010 08:10

Sample ID: 10J0178-21

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:47	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:47	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:47	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:47	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:47	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:47	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:47	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:47	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 15:47	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	78.6	30-150		10/11/10 15:47
Decachlorobiphenyl [2]	82.9	30-150		10/11/10 15:47
Tetrachloro-m-xylene [1]	80.3	30-150		10/11/10 15:47
Tetrachloro-m-xylene [2]	84.1	30-150		10/11/10 15:47

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-37-1ft | Sampled: 10/6/2010 08:10

Sample ID: 10J0178-21

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.6		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-39-1ft | Sampled: 10/6/2010 08:18

Sample ID: 10J0178-25

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:02	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:02	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:02	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:02	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:02	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:02	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:02	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:02	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:02	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	78.0	30-150		10/11/10 16:02
Decachlorobiphenyl [2]	84.8	30-150		10/11/10 16:02
Tetrachloro-m-xylene [1]	81.5	30-150		10/11/10 16:02
Tetrachloro-m-xylene [2]	84.2	30-150		10/11/10 16:02

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-39-1ft | Sampled: 10/6/2010 08:18

Sample ID: 10J0178-25

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.8		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-41-1ft | Sampled: 10/6/2010 08:26

Sample ID: 10J0178-29

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:16	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:16	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:16	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:16	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:16	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:16	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:16	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:16	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:16	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	64.7	30-150		10/11/10 16:16
Decachlorobiphenyl [2]	69.8	30-150		10/11/10 16:16
Tetrachloro-m-xylene [1]	66.3	30-150		10/11/10 16:16
Tetrachloro-m-xylene [2]	69.1	30-150		10/11/10 16:16

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-41-1ft | Sampled: 10/6/2010 08:26

Sample ID: 10J0178-29

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.1		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-43-1ft | Sampled: 10/6/2010 08:34

Sample ID: 10J0178-33

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:31	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:31	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:31	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:31	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:31	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:31	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:31	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:31	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:31	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	127	30-150		10/11/10 16:31
Decachlorobiphenyl [2]	135	30-150		10/11/10 16:31
Tetrachloro-m-xylene [1]	132	30-150		10/11/10 16:31
Tetrachloro-m-xylene [2]	139	30-150		10/11/10 16:31

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-43-1ft | Sampled: 10/6/2010 08:34

Sample ID: 10J0178-33

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.2		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-45-1ft | Sampled: 10/6/2010 08:45

Sample ID: 10J0178-37

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:45	PJG
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:45	PJG
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:45	PJG
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:45	PJG
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:45	PJG
Aroclor-1254 [1]	ND	0.17	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:45	PJG
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:45	PJG
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:45	PJG
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 16:45	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	85.0	30-150		10/11/10 16:45
Decachlorobiphenyl [2]	96.9	30-150		10/11/10 16:45
Tetrachloro-m-xylene [1]	88.4	30-150		10/11/10 16:45
Tetrachloro-m-xylene [2]	91.9	30-150		10/11/10 16:45

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-45-1ft | Sampled: 10/6/2010 08:45

Sample ID: 10J0178-37

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	59.0		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-47-1ft | Sampled: 10/6/2010 09:05

Sample ID: 10J0178-41

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:11	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:11	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:11	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:11	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:11	PJG
Aroclor-1254 [1]	0.44	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:11	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:11	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:11	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:11	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.4	30-150		10/11/10 20:11
Decachlorobiphenyl [2]	119	30-150		10/11/10 20:11
Tetrachloro-m-xylene [1]	97.2	30-150		10/11/10 20:11
Tetrachloro-m-xylene [2]	108	30-150		10/11/10 20:11

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-47-1ft | Sampled: 10/6/2010 09:05

Sample ID: 10J0178-41

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.1		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-49-1ft | Sampled: 10/6/2010 09:25

Sample ID: 10J0178-45

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:25	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:25	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:25	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:25	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:25	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:25	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:25	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:25	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		10/11/10 20:25
Decachlorobiphenyl [2]	109	30-150		10/11/10 20:25
Tetrachloro-m-xylene [1]	103	30-150		10/11/10 20:25
Tetrachloro-m-xylene [2]	111	30-150		10/11/10 20:25

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-49-1ft | Sampled: 10/6/2010 09:25

Sample ID: 10J0178-45

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.1		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-51-1ft | Sampled: 10/6/2010 09:45

Sample ID: 10J0178-49

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:39	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:39	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:39	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:39	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:39	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:39	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:39	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:39	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:39	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.6	30-150		10/11/10 20:39
Decachlorobiphenyl [2]	93.4	30-150		10/11/10 20:39
Tetrachloro-m-xylene [1]	104	30-150		10/11/10 20:39
Tetrachloro-m-xylene [2]	113	30-150		10/11/10 20:39

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-51-1ft | Sampled: 10/6/2010 09:45

Sample ID: 10J0178-49

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.0		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-53-1ft | Sampled: 10/6/2010 10:05

Sample ID: 10J0178-53

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:52	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:52	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:52	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:52	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:52	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:52	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:52	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:52	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 20:52	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.0	30-150		10/11/10 20:52
Decachlorobiphenyl [2]	91.6	30-150		10/11/10 20:52
Tetrachloro-m-xylene [1]	97.4	30-150		10/11/10 20:52
Tetrachloro-m-xylene [2]	104	30-150		10/11/10 20:52

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-53-1ft | Sampled: 10/6/2010 10:05

Sample ID: 10J0178-53

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.4		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-55-1ft | Sampled: 10/6/2010 10:30

Sample ID: 10J0178-57

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:06	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:06	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:06	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:06	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:06	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:06	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:06	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:06	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:06	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	78.7	30-150		10/11/10 21:06
Decachlorobiphenyl [2]	81.3	30-150		10/11/10 21:06
Tetrachloro-m-xylene [1]	83.4	30-150		10/11/10 21:06
Tetrachloro-m-xylene [2]	89.4	30-150		10/11/10 21:06

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-55-1ft | Sampled: 10/6/2010 10:30

Sample ID: 10J0178-57

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.0		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-57-1ft | Sampled: 10/6/2010 10:50

Sample ID: 10J0178-61

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:19	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:19	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:19	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:19	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:19	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:19	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:19	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:19	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:19	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.5	30-150		10/11/10 21:19
Decachlorobiphenyl [2]	93.7	30-150		10/11/10 21:19
Tetrachloro-m-xylene [1]	95.6	30-150		10/11/10 21:19
Tetrachloro-m-xylene [2]	104	30-150		10/11/10 21:19

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-57-1ft | Sampled: 10/6/2010 10:50

Sample ID: 10J0178-61

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	95.0		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-59-1ft | Sampled: 10/6/2010 11:10

Sample ID: 10J0178-65

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:33	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:33	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:33	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:33	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:33	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:33	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:33	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:33	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:33	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.7	30-150		10/11/10 21:33
Decachlorobiphenyl [2]	94.9	30-150		10/11/10 21:33
Tetrachloro-m-xylene [1]	92.0	30-150		10/11/10 21:33
Tetrachloro-m-xylene [2]	99.2	30-150		10/11/10 21:33

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-59-1ft | Sampled: 10/6/2010 11:10

Sample ID: 10J0178-65

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.3		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-61-1ft | Sampled: 10/6/2010 11:30

Sample ID: 10J0178-69

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:46	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:46	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:46	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:46	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:46	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:46	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:46	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:46	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 21:46	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.5	30-150		10/11/10 21:46
Decachlorobiphenyl [2]	98.7	30-150		10/11/10 21:46
Tetrachloro-m-xylene [1]	92.1	30-150		10/11/10 21:46
Tetrachloro-m-xylene [2]	97.1	30-150		10/11/10 21:46

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-61-1ft | Sampled: 10/6/2010 11:30

Sample ID: 10J0178-69

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.4		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-63-1ft | Sampled: 10/6/2010 11:50

Sample ID: 10J0178-73

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:00	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:00	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:00	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:00	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:00	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:00	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:00	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:00	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:00	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.0	30-150		10/11/10 22:00
Decachlorobiphenyl [2]	89.3	30-150		10/11/10 22:00
Tetrachloro-m-xylene [1]	98.5	30-150		10/11/10 22:00
Tetrachloro-m-xylene [2]	107	30-150		10/11/10 22:00

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-63-1ft | Sampled: 10/6/2010 11:50

Sample ID: 10J0178-73

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.5		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-65-1ft | Sampled: 10/6/2010 12:10

Sample ID: 10J0178-77

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:54	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:54	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:54	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:54	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:54	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:54	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:54	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:54	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 22:54	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.2	30-150		10/11/10 22:54
Decachlorobiphenyl [2]	94.4	30-150		10/11/10 22:54
Tetrachloro-m-xylene [1]	100	30-150		10/11/10 22:54
Tetrachloro-m-xylene [2]	107	30-150		10/11/10 22:54

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-65-1ft | Sampled: 10/6/2010 12:10

Sample ID: 10J0178-77

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.2		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-67-1ft | Sampled: 10/6/2010 12:27

Sample ID: 10J0178-81

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:08	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:08	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:08	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:08	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:08	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:08	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:08	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:08	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:08	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	93.8	30-150		10/11/10 23:08
Decachlorobiphenyl [2]	94.7	30-150		10/11/10 23:08
Tetrachloro-m-xylene [1]	103	30-150		10/11/10 23:08
Tetrachloro-m-xylene [2]	112	30-150		10/11/10 23:08

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-67-1ft | Sampled: 10/6/2010 12:27

Sample ID: 10J0178-81

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.1		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-69-1ft | Sampled: 10/6/2010 12:35

Sample ID: 10J0178-85

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:21	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:21	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:21	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:21	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:21	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:21	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:21	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:21	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:21	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.8	30-150		10/11/10 23:21
Decachlorobiphenyl [2]	99.5	30-150		10/11/10 23:21
Tetrachloro-m-xylene [1]	109	30-150		10/11/10 23:21
Tetrachloro-m-xylene [2]	116	30-150		10/11/10 23:21

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-69-1ft | Sampled: 10/6/2010 12:35

Sample ID: 10J0178-85

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	99.3		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-71-1ft | Sampled: 10/6/2010 12:43

Sample ID: 10J0178-89

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:35	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:35	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:35	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:35	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:35	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:35	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:35	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:35	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:35	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.6	30-150		10/11/10 23:35
Decachlorobiphenyl [2]	94.8	30-150		10/11/10 23:35
Tetrachloro-m-xylene [1]	106	30-150		10/11/10 23:35
Tetrachloro-m-xylene [2]	116	30-150		10/11/10 23:35

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-71-1ft | Sampled: 10/6/2010 12:43

Sample ID: 10J0178-89

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.9		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-73-1ft | Sampled: 10/6/2010 13:00

Sample ID: 10J0178-93

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:48	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:48	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:48	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:48	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:48	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:48	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:48	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:48	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/11/10 23:48	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.2	30-150		10/11/10 23:48
Decachlorobiphenyl [2]	94.3	30-150		10/11/10 23:48
Tetrachloro-m-xylene [1]	90.5	30-150		10/11/10 23:48
Tetrachloro-m-xylene [2]	97.6	30-150		10/11/10 23:48

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-73-1ft | Sampled: 10/6/2010 13:00

Sample ID: 10J0178-93

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.4		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-75-1ft | Sampled: 10/6/2010 13:08

Sample ID: 10J0178-96

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 0:02	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 0:02	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 0:02	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 0:02	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 0:02	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 0:02	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 0:02	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 0:02	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 0:02	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	93.7	30-150		10/12/10 0:02
Decachlorobiphenyl [2]	102	30-150		10/12/10 0:02
Tetrachloro-m-xylene [1]	104	30-150		10/12/10 0:02
Tetrachloro-m-xylene [2]	111	30-150		10/12/10 0:02

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-75-1ft | Sampled: 10/6/2010 13:08

Sample ID: 10J0178-96

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	97.5		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-77-1ft | Sampled: 10/6/2010 13:16

Sample ID: 10J0178-AB

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:43	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:43	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:43	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:43	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:43	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:43	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:43	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:43	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:43	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.1	30-150		10/12/10 9:43
Decachlorobiphenyl [2]	94.1	30-150		10/12/10 9:43
Tetrachloro-m-xylene [1]	103	30-150		10/12/10 9:43
Tetrachloro-m-xylene [2]	109	30-150		10/12/10 9:43

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

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-77-1ft | Sampled: 10/6/2010 13:16

Sample ID: 10J0178-AB

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	96.9		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-79-1ft | Sampled: 10/6/2010 13:24

Sample ID: 10J0178-AF

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:57	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:57	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:57	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:57	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:57	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:57	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:57	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:57	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 9:57	PJG

Surrogates	% Recovery		Recovery Limits	Flag	
Decachlorobiphenyl [1]	69.6		30-150		10/12/10 9:57
Decachlorobiphenyl [2]	**176**	*	30-150	S-12	10/12/10 9:57
Tetrachloro-m-xylene [1]	69.7		30-150		10/12/10 9:57
Tetrachloro-m-xylene [2]	78.8		30-150		10/12/10 9:57

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-79-1ft | Sampled: 10/6/2010 13:24

Sample ID: 10J0178-AF

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.7		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-81-1ft | Sampled: 10/6/2010 13:32

Sample ID: 10J0178-AJ

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:10	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:10	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:10	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:10	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:10	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:10	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:10	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:10	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:10	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.1	30-150		10/12/10 10:10
Decachlorobiphenyl [2]	104	30-150		10/12/10 10:10
Tetrachloro-m-xylene [1]	105	30-150		10/12/10 10:10
Tetrachloro-m-xylene [2]	110	30-150		10/12/10 10:10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-81-1ft | Sampled: 10/6/2010 13:32

Sample ID: 10J0178-AJ

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.8		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-83-1ft | Sampled: 10/6/2010 13:40

Sample ID: 10J0178-AN

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:24	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:24	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:24	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:24	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:24	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:24	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:24	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:24	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:24	PJG

Surrogates	% Recovery		Recovery Limits	Flag	
Decachlorobiphenyl [1]	73.9		30-150		10/12/10 10:24
Decachlorobiphenyl [2]	**183**	*	30-150	S-12	10/12/10 10:24
Tetrachloro-m-xylene [1]	83.3		30-150		10/12/10 10:24
Tetrachloro-m-xylene [2]	97.4		30-150		10/12/10 10:24

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-83-1ft | Sampled: 10/6/2010 13:40

Sample ID: 10J0178-AN

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.9		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-85-1ft | Sampled: 10/6/2010 13:48

Sample ID: 10J0178-AR

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:37	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:37	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:37	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:37	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:37	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:37	PJG
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:37	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:37	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/7/10	10/12/10 10:37	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	75.5	30-150		10/12/10 10:37
Decachlorobiphenyl [2]	149	30-150		10/12/10 10:37
Tetrachloro-m-xylene [1]	87.6	30-150		10/12/10 10:37
Tetrachloro-m-xylene [2]	96.5	30-150		10/12/10 10:37

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0178

Date Received: 10/6/2010

Field Sample #: B-85-1ft | Sampled: 10/6/2010 13:48

Sample ID: 10J0178-AR

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.6		% Wt	1		SM 2540G	10/7/10	10/8/10 12:56	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10J0178-01 [B-27-1ft]	B020324	10/07/10
10J0178-05 [B-29-1ft]	B020324	10/07/10
10J0178-09 [B-31-1ft]	B020324	10/07/10
10J0178-13 [B-33-1ft]	B020324	10/07/10
10J0178-21 [B-37-1ft]	B020324	10/07/10
10J0178-25 [B-39-1ft]	B020324	10/07/10
10J0178-29 [B-41-1ft]	B020324	10/07/10
10J0178-33 [B-43-1ft]	B020324	10/07/10
10J0178-37 [B-45-1ft]	B020324	10/07/10
10J0178-41 [B-47-1ft]	B020324	10/07/10
10J0178-45 [B-49-1ft]	B020324	10/07/10
10J0178-49 [B-51-1ft]	B020324	10/07/10
10J0178-53 [B-53-1ft]	B020324	10/07/10
10J0178-57 [B-55-1ft]	B020324	10/07/10
10J0178-61 [B-57-1ft]	B020324	10/07/10
10J0178-65 [B-59-1ft]	B020324	10/07/10
10J0178-69 [B-61-1ft]	B020324	10/07/10
10J0178-73 [B-63-1ft]	B020324	10/07/10
10J0178-77 [B-65-1ft]	B020324	10/07/10
10J0178-81 [B-67-1ft]	B020324	10/07/10
10J0178-85 [B-69-1ft]	B020324	10/07/10
10J0178-89 [B-71-1ft]	B020324	10/07/10
10J0178-93 [B-73-1ft]	B020324	10/07/10
10J0178-96 [B-75-1ft]	B020324	10/07/10
10J0178-AB [B-77-1ft]	B020324	10/07/10
10J0178-AF [B-79-1ft]	B020324	10/07/10
10J0178-AJ [B-81-1ft]	B020324	10/07/10
10J0178-AN [B-83-1ft]	B020324	10/07/10
10J0178-AR [B-85-1ft]	B020324	10/07/10

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10J0178-17 [B-35-1ft]	B020385	10/08/10

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10J0178-41 [B-47-1ft]	B020352	10.0	50.0	10/07/10
10J0178-45 [B-49-1ft]	B020352	10.1	50.0	10/07/10
10J0178-49 [B-51-1ft]	B020352	10.1	50.0	10/07/10
10J0178-53 [B-53-1ft]	B020352	10.0	50.0	10/07/10
10J0178-57 [B-55-1ft]	B020352	10.0	50.0	10/07/10
10J0178-61 [B-57-1ft]	B020352	10.0	50.0	10/07/10
10J0178-65 [B-59-1ft]	B020352	10.0	50.0	10/07/10
10J0178-69 [B-61-1ft]	B020352	10.0	50.0	10/07/10
10J0178-73 [B-63-1ft]	B020352	10.0	50.0	10/07/10
10J0178-77 [B-65-1ft]	B020352	10.0	50.0	10/07/10
10J0178-81 [B-67-1ft]	B020352	10.0	50.0	10/07/10
10J0178-85 [B-69-1ft]	B020352	10.1	50.0	10/07/10
10J0178-89 [B-71-1ft]	B020352	10.1	50.0	10/07/10
10J0178-93 [B-73-1ft]	B020352	10.0	50.0	10/07/10
10J0178-96 [B-75-1ft]	B020352	10.0	50.0	10/07/10

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

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10J0178-AB [B-77-1ft]	B020352	10.1	50.0	10/07/10
10J0178-AF [B-79-1ft]	B020352	10.1	50.0	10/07/10
10J0178-AJ [B-81-1ft]	B020352	10.1	50.0	10/07/10
10J0178-AN [B-83-1ft]	B020352	10.1	50.0	10/07/10
10J0178-AR [B-85-1ft]	B020352	10.2	50.0	10/07/10

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10J0178-01 [B-27-1ft]	B020355	10.0	50.0	10/07/10
10J0178-05 [B-29-1ft]	B020355	10.1	50.0	10/07/10
10J0178-09 [B-31-1ft]	B020355	10.0	50.0	10/07/10
10J0178-13 [B-33-1ft]	B020355	10.1	50.0	10/07/10
10J0178-17 [B-35-1ft]	B020355	10.1	50.0	10/07/10
10J0178-21 [B-37-1ft]	B020355	10.2	50.0	10/07/10
10J0178-25 [B-39-1ft]	B020355	10.1	50.0	10/07/10
10J0178-29 [B-41-1ft]	B020355	10.1	50.0	10/07/10
10J0178-33 [B-43-1ft]	B020355	10.0	50.0	10/07/10
10J0178-37 [B-45-1ft]	B020355	10.0	50.0	10/07/10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B020352 - SW-846 3540C										
Blank (B020352-BLK1)				Prepared: 10/07/10 Analyzed: 10/11/10						
Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.187*		mg/Kg wet	0.200		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.193*		mg/Kg wet	0.200		96.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.215*		mg/Kg wet	0.200		107	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.235*		mg/Kg wet	0.200		117	30-150			
LCS (B020352-BS1)				Prepared: 10/07/10 Analyzed: 10/11/10						
Aroclor-1016	0.18	0.10	mg/Kg wet	0.200		92.0	40-140			
Aroclor-1016 [2C]	0.23	0.10	mg/Kg wet	0.200		117	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		102	40-140			
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		114	40-140			
Surrogate: Decachlorobiphenyl	*0.204*		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.211*		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene	*0.229*		mg/Kg wet	0.200		115	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.249*		mg/Kg wet	0.200		125	30-150			
LCS Dup (B020352-BSD1)				Prepared: 10/07/10 Analyzed: 10/11/10						
Aroclor-1016	0.18	0.10	mg/Kg wet	0.200		88.9	40-140	3.40	30	
Aroclor-1016 [2C]	0.23	0.10	mg/Kg wet	0.200		113	40-140	3.89	30	
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		100	40-140	1.91	30	
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200		110	40-140	3.04	30	
Surrogate: Decachlorobiphenyl	*0.193*		mg/Kg wet	0.200		96.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.200		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.213*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.231*		mg/Kg wet	0.200		115	30-150			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B020352 - SW-846 3540C											
Matrix Spike (B020352-MS1)	**Source: 10J0178-41**			Prepared: 10/07/10 Analyzed: 10/12/10							
Aroclor-1016	0.49	0.11	mg/Kg dry	0.213	0.0	**231**	*	40-140			MS-21
Aroclor-1016 [2C]	0.36	0.11	mg/Kg dry	0.213	0.0	**171**	*	40-140			MS-21
Aroclor-1260	0.57	0.11	mg/Kg dry	0.213	0.0	**267**	*	40-140			MS-21
Aroclor-1260 [2C]	0.59	0.11	mg/Kg dry	0.213	0.0	**277**	*	40-140			MS-21
Surrogate: Decachlorobiphenyl	*0.264*		mg/Kg dry	0.213		124		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.313*		mg/Kg dry	0.213		147		30-150			
Surrogate: Tetrachloro-m-xylene	*0.312*		mg/Kg dry	0.213		147		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.309*		mg/Kg dry	0.213		145		30-150			
Matrix Spike Dup (B020352-MSD1)	**Source: 10J0178-41**			Prepared: 10/07/10 Analyzed: 10/12/10							
Aroclor-1016	0.49	0.11	mg/Kg dry	0.215	0.0	**227**	*	40-140	0.891	50	MS-21
Aroclor-1016 [2C]	0.45	0.11	mg/Kg dry	0.215	0.0	**209**	*	40-140	20.8	50	MS-21
Aroclor-1260	0.60	0.11	mg/Kg dry	0.215	0.0	**281**	*	40-140	6.03	50	MS-21
Aroclor-1260 [2C]	0.62	0.11	mg/Kg dry	0.215	0.0	**289**	*	40-140	4.97	50	MS-21
Surrogate: Decachlorobiphenyl	*0.210*		mg/Kg dry	0.215		97.9		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.299*		mg/Kg dry	0.215		139		30-150			
Surrogate: Tetrachloro-m-xylene	*0.255*		mg/Kg dry	0.215		119		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.260*		mg/Kg dry	0.215		121		30-150			
Batch B020355 - SW-846 3540C											
Blank (B020355-BLK1)				Prepared: 10/07/10 Analyzed: 10/11/10							
Aroclor-1016	ND	0.10	mg/Kg wet								
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet								
Aroclor-1221	ND	0.10	mg/Kg wet								
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet								
Aroclor-1232	ND	0.10	mg/Kg wet								
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet								
Aroclor-1242	ND	0.10	mg/Kg wet								
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet								
Aroclor-1248	ND	0.10	mg/Kg wet								
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet								
Aroclor-1254	ND	0.10	mg/Kg wet								
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet								
Aroclor-1260	ND	0.10	mg/Kg wet								
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet								
Aroclor-1262	ND	0.10	mg/Kg wet								
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet								
Aroclor-1268	ND	0.10	mg/Kg wet								
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet								
Surrogate: Decachlorobiphenyl	*0.158*		mg/Kg wet	0.200		78.9		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.162*		mg/Kg wet	0.200		81.0		30-150			
Surrogate: Tetrachloro-m-xylene	*0.165*		mg/Kg wet	0.200		82.6		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.172*		mg/Kg wet	0.200		86.0		30-150			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B020355 - SW-846 3540C										
LCS (B020355-BS1)				Prepared: 10/07/10 Analyzed: 10/11/10						
Aroclor-1016	0.17	0.10	mg/Kg wet	0.200		87.1	40-140			
Aroclor-1016 [2C]	0.16	0.10	mg/Kg wet	0.200		81.6	40-140			
Aroclor-1260	0.16	0.10	mg/Kg wet	0.200		82.4	40-140			
Aroclor-1260 [2C]	0.16	0.10	mg/Kg wet	0.200		81.0	40-140			
Surrogate: Decachlorobiphenyl	*0.139*		mg/Kg wet	0.200		69.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.147*		mg/Kg wet	0.200		73.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.145*		mg/Kg wet	0.200		72.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.151*		mg/Kg wet	0.200		75.7	30-150			
LCS Dup (B020355-BSD1)				Prepared: 10/07/10 Analyzed: 10/11/10						
Aroclor-1016	0.18	0.10	mg/Kg wet	0.200		88.6	40-140	1.71	30	
Aroclor-1016 [2C]	0.17	0.10	mg/Kg wet	0.200		83.3	40-140	2.05	30	
Aroclor-1260	0.17	0.10	mg/Kg wet	0.200		86.4	40-140	4.77	30	
Aroclor-1260 [2C]	0.17	0.10	mg/Kg wet	0.200		84.8	40-140	4.52	30	
Surrogate: Decachlorobiphenyl	*0.149*		mg/Kg wet	0.200		74.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.153*		mg/Kg wet	0.200		76.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.151*		mg/Kg wet	0.200		75.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.158*		mg/Kg wet	0.200		79.1	30-150			
Matrix Spike (B020355-MS1)		**Source: 10J0178-01**		Prepared: 10/07/10 Analyzed: 10/11/10						
Aroclor-1016	0.19	0.10	mg/Kg dry	0.208	0.0	91.3	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg dry	0.208	0.0	102	40-140			
Aroclor-1260	0.17	0.10	mg/Kg dry	0.208	0.0	80.1	40-140			
Aroclor-1260 [2C]	0.18	0.10	mg/Kg dry	0.208	0.0	86.7	40-140			
Surrogate: Decachlorobiphenyl	*0.153*		mg/Kg dry	0.208		73.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.156*		mg/Kg dry	0.208		75.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.152*		mg/Kg dry	0.208		73.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.160*		mg/Kg dry	0.208		77.1	30-150			
Matrix Spike Dup (B020355-MSD1)		**Source: 10J0178-01**		Prepared: 10/07/10 Analyzed: 10/11/10						
Aroclor-1016	0.17	0.10	mg/Kg dry	0.208	0.0	80.1	40-140	13.1	50	
Aroclor-1016 [2C]	0.18	0.10	mg/Kg dry	0.208	0.0	85.5	40-140	17.8	50	
Aroclor-1260	0.17	0.10	mg/Kg dry	0.208	0.0	81.3	40-140	1.55	50	
Aroclor-1260 [2C]	0.18	0.10	mg/Kg dry	0.208	0.0	84.8	40-140	2.15	50	
Surrogate: Decachlorobiphenyl	*0.157*		mg/Kg dry	0.208		75.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.160*		mg/Kg dry	0.208		76.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.156*		mg/Kg dry	0.208		75.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.165*		mg/Kg dry	0.208		79.7	30-150			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
MS-21	Matrix spike and spike duplicate recovery bias high due to contribution of other Aroclors present in source sample.
O-21	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported. Possibly contains Aroclor 1248 as well. See attached chromatogram.
S-12	Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082 in Soil	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

1050178

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

Company Name: ATC Associates
Address: 290 Roberts St
E. Hartford CT
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: AJ MD

Telephone: (860) 282-9924
Project #: Ellis Tech
Client PO #: Ellis Tech

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax #:
Email: Edward.Fennell@atcassociates.com
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soxhlet	# of containers	**Preservation	~Cont.Code
B-27-1'	Run	-01	10.6.10	7:30		X	S	G	X			
B-27A-4'	Hold	-02		7:32		X			X			
B-28-1'	Hold	-03		7:34		X			X			
B-28A-4'	Hold	-04		7:36		X			X			
B-29-1'	Run	-05		7:38		X			X			
B-29A-4'	Hold	-06		7:40		X			X			
B-30-1'	Hold	-07		7:42		X			X			
B-30A-4'	Hold	-08	↓	7:44		X	↓	↓	X			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10/6/10 2120	
Received by: (signature) Paula Baker 2.4°C cnb 10/6/10	Date/Time: 10/6/10 2:20	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

105017B

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

Page 2 of 15

Company Name: ATC Associates
Address: 290 Roberts ST
E. Hartford CT 06108
Attention: Ed. Fennell
Project Location: Ellis Tech
Sampled By: M. Dmytelko & A Johnson

Telephone: (860) 2529924
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☒ WEBSITE CLIENT
Fax #:
Email: Edward.Fennell@ATCassociates.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

ANALYSIS REQUESTED

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCB by 8082 Soxhlet	# of containers	**Preservation	~Cont.Code
B-31-1'	Soil Run	-09	10/6/10	7:46		X	S	U	X			
B-31A-1'	Hold	-10		7:48					X			
B-32-1'	Hold	-11		7:50					X			
B-32A-1'	Hold	-12		7:52					X			
B-33-1'	RUN	-13		7:54					X			
B-33A-1'	Hold	-14		7:56					X			
B-34-1'	Hold	-15		7:58					X			
B-34A-1'	Soil Hold	-16	10/6/10	8:00		X	S	U	X			

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10/6/10 2:20	
Received by: (signature) 2 Vials cut 10/6/10	Date/Time: 10/6/10 2:20	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3-day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

CHAIN OF CUSTODY RECORD

1050178

Page 3 of 4

Company Name: ATC Associates Inc.
Address: 290 Roberts St
E. Hartford CT
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: AJM D

Telephone:( )
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	8	I	C	PCBS 8082 Soxhlet	# of containe	**Preservatio	~Cont.Code
B-35-1'	Raw	-17	10-6-10	8:02		X	S	G	X			X			
B-35A-4'	Hold	-18		8:04		X			X			X			
B-36-1'	Hold	-19		8:06		X			X			X			
B-36A-4'	Hold	-20		8:08		X			X			X			
B-37-1'	Raw	-21		8:10		X			X			X			
B-37A-4'	Hold	-22		8:12		X			X			X			
B-38-1'	Hold	-23		8:14		X			X			X			
B-38A-4'	Hold	-24		8:16		X			X			X			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2.4°C	Date/Time:
Paula Blakeborough 08/6/10	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☑ Other 3 Day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

10J0178

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

Company Name: ATC Associates
Address: 290 Roberts ST
East Hartford CT 06108
Attention: Ed. Fennell
Project Location: Ellis Tech
Sampled By: M. Dmyterko & A. Johnson

Telephone: (860) 282-9924
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☒ WEBSITE CLIENT
Fax # :
Email: Edward.Fennell@atcassociates.com
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PCB by 8082 soil/wipe	# of containe	**Preservatio	~Cont.Code
B-39-1'	Soil / RUN	-25	10/6/10	8:18		X	S	U	X	1	G	
B-39A-4'	Hold	-26		8:20					X			
B-40-1'	Hold	-27		8:22					X			
B-40A-4'	Hold	-28		8:24					X			
B-41-1'	RUN	-29		8:26					X			
B-41A-4'	Hold	-30		8:28					X			
B-42-1'	Hold	-31		8:30					X			
B-42A-4'	Soil / Hold	-32	10/6/10	8:32		X	S	U	X			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2.4°c GB 10/6/10	Date/Time:
Paul Bakelaar	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

CHAIN OF CUSTODY RECORD

10J0178

Company Name: ATC Associates Inc
Address: 290 Roberts ST
E. Hartford CT
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: Ellis Tech

Telephone:( )
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soxhlet												# of containe	**Preservati	~Cont.Code
B43-1'	Run	-33	10:10	8:34		X	S	G	V														
B-43A-4'	Hold	-34		8:36		X			X														
B-44-1'	Hold	-35		8:38		X			X														
B-44A-4'	Hold	-36		8:40		X			X														
B-45-1'	Run	-37		8:45		X			X														
B-45A-4'	Hold	-38		8:50		X			X														
B-46-1'	Hold	-39		8:55		X			X														
B-46A-4'	Hold	-40		9:00		X			X														

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2320
Received by: (signature) 2-4°C CAS 10/6/10	Date/Time:
Paula Blakeborough	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☑ Other 3 Day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

CHAIN OF CUSTODY RECORD

10J0178

Company Name: ATC Associates
Address: 290 Roberts ST
E. Hartford CT 06108
Attention: Ed. Fennell
Project Location: Ellis Tech
Sampled By: M. Dmytenko & A. Johnson

Telephone: (860) 282-9924
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☐ EMAIL ☒ WEBSITE CLIENT
Fax #:
Email: Edward.Fennell@atcassociates
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	Rush by 8082 soxhlet	# of containe	**Preservati	~Cont.Code
B-47-1'	Soil / Run	-41	10/6/10	9:05		X	S	U	X			
B-47A-4'	Hold	-42		9:10					X			
B-48-1'	Hold	-43		9:15					X			
B-48A-4'	Hold	-44		9:20					X			
B-49-1'	Run	-45		9:25					X			
B-49A-4'	Hold	-46		9:30					X			
B-50-1'	Hold	-47		9:35					X			
B-50A-4'	Soil / Hold	-48	10/6/10	9:40		X	S	U	X			

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2.4°c GB iced/ice	Date/Time:
Paula McKeborough	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

CHAIN OF CUSTODY RECORD

10J0178

Company Name: ATC Associates Inc
Address: 290 Roberts ST
E. Hartford CT
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: Ellis Tech

Telephone:( )
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

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

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soil/Wt	# of containe	**Preservatic	~Cont.Code
B-51-1'	Run	-49	10-6-16	9:45		X	S	G	X			
B-51A-4'	Hold	-50		9:50		X			X			
B-52-1'	Hold	-51		9:55		X			X			
B-52A-4'	Hold	-52		10:00		X			X			
B-53-1'	Run	-53		10:05		X			X			
B-53A-4'	Hold	-54		10:10		X			X			
B-54-1'	Hold	-55		10:15		X			X			
B-54A-4'	Hold	-56		10:20		X			X			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/16 2:20
Received by: (signature) 2-4°c OSS 10/6/16	Date/Time:
Paula Kalkstein	10/6/16 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 2 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

1050178

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

Company Name: AR Assoc. Ars
Address: 290 Roberts St
E. Hartford, CT 06108
Attention: E. Fennell
Project Location: Ellis Tech
Sampled By: M.D & A.J.

Telephone: (860) 282-9924
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☐ EMAIL ☒ WEBSITE CLIENT
Fax #:
Email: Edward.Fennell@ARAssoc.net
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCB by 8082 soxhlet	# of containe	**Preservatio	~Cont.Code
B-55-1'	Soil / Run	-57	10/6/10	10:30		X	S	U	X			
B-55A-4'	Hold	-58		10:35					X			
B-56-1'	Hold	-59		10:40					X			
B-56A-4'	Hold	-60		10:45					X			
B-57-1'	Run	-61		10:50					X			
B-57A-4'	Hold	-62		10:55					X			
B-58-1'	Hold	-63		11:00					X			
B-58A-4'	Soil / Hold	-64	10/6/10	11:05		X	S	S	X			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2.4°C CJS 10/6/10	Date/Time:
Paula Blake	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

10J0178

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

Company Name: ATC Associates Inc.
Address: 290 Roberts St
East Hartford CT
Attention: E.L. Fennell
Project Location: Ellis Tech
Sampled By: Ellis Tech

Telephone:( )
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	8	7	6	PCBs 8082 Soxhlet	# of containe	**Preservati	~Cont.Code
B-S1-1'	Run	-65	10-6-10	11:10		X	S	U				X			
B-S1A-4'	Hold	-66		11:15		X						X			
B-C0-1'	Hold	-67		11:20		X						X			
B-C0A-4'	Hold	-68		11:25		X						X			
B-C1-1'	Run	-69		11:30		X						X			
B-C1A-4'	Hold	-70		11:35		X						X			
B-C2-1'	Hold	-71		11:40		X						X			
B-C2A-4'	Hold	-72		11:45		X						X			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2.4°c cob 10/6/10	Date/Time:
Paula Blakeslee	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 Days

RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

105 0178

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

Company Name: AR Associates
Address: 290 Roberts St
E. Hartford CT 06108
Attention: E. Fennell
Project Location: Ellis Tech
Sampled By: N.D & A.J.

Telephone: (860) 282-9924
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax #:
Email: Edward.fennell@ARAssociates.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PCB by 8082 - Soxhlet	# of containe	**Preservati	~Cont.Code
B-63-1'	Soil / Run	-73	10/6/10	10:50		X	S	U	X			
B-63A-4'	Hold	-74		11:55					X			
B-64-1'	Hold	-75		12:00					X			
B-64A-4'	Hold	-76		12:05					X			
B-65-1'	Run	-77		12:10					X			
B-65A-4'	Hold	-78		12:15					X			
B-66-1'	Hold	-79		12:20					X			
B-66A-4'	Soil / Hold	-80	10/6/10	12:25		X	S	U	X			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2-4 hr SS	Date/Time:
Pamela Blakeborough 10/6/10	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

10J0178

Company Name: ATC
Address: 290 Roberts St
E. Hartford Ct
Attention: El Frizzell
Project Location: Ellis Tech
Sampled By: AJ MD

Telephone:
Project #
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email:
Format: ○ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	ANALYSIS REQUESTED: PCBs 8082 Soxhlet
								16	1	G	
-81	B-C7-1' Run	10-6-10	12:27		X	S	G	2			
-82	B-C7A-4' Hold		12:29					2			
-83	B-C8-1' Hold		12:31					2			
-84	B-C8A-4' Hold		12:33					2			
-85	B-C9-1' Run		12:35					2			
-86	B-C9A-4' Hold		12:37					2			
-87	B-70-1' Hold		12:39					2			
-88	B-70A-4' Hold		12:41					2			
-89	B-71-1' Run		12:43					2			
-90	B-71A-4' Hold		12:45					2			

Comments:

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

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 24hr clock 10/6/10	Date/Time:
Paula Blake	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: GA RCP
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

1050178

Company Name: AR Associates
Address: 790 Roberts ST E. Hartford, CT 06108
Attention: E. Fennell
Project Location: Ellis Tech
Sampled By: M.D & A.J.
Telephone: 860-282-9929
Project #
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ✓ EMAIL ○ WEBSITE
Fax #
Email: Edward.fennell@ARassociates.com
Format: ✓ PDF ✓ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCB by 8082 Soxhlet	# of Containers	** Preservation	***Container Code
-91	B-72-1' Hold	10/6/10	12:50		X	S	U	X			
-92	B-72A-4' Hold		12:55								
-93	B-73-1' Run		1:00								
-94	B-73A-4' Hold		1:02								
-95	B-74-1' Hold		1:04								
-96	B-75-1' Run		1:05								
-97	B-75A-4' Hold		1:10								
-98	B-76-1' Hold		1:12								
-99	B-76A-4' Hold	↓	1:14		↓	↓	↓	↓			
-AA -100	B-74A-4' Hold.	10/10/10	1:06		X	S	U	X			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature)	Date/Time:
Paula Blakeslee 2.4°C 10/6/10	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 3-day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: RSR RCP GA
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

1050178

Company Name: ATC Associates Inc
Address: 290 Roberts ST
E. Hartford CT
Attention: Ed Farwell
Project Location: Ellis Tech
Sampled By: ASMD

Telephone:
Project #
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email:
Format: ○ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection: Beginning Date/Time	Collection: Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs, 8082 Soil, Lit	# of Containers	** Preservation	***Container Code
AB - 101	B-77-1' Raw	10.6.10	1:16		X	S	G	X			
AC - 102	B-77A-4' Hold		1:18					X			
AD - 103	B-78-1' Hold		1:20					X			
AE - 104	B-78A-4' Hold		1:22					X			
AF - 105	B-79-1' Raw		1:24					X			
AG - 106	B-79A-4' Hold		1:26					X			
AH - 107	B-80-1' Hold		1:28					X			
AI - 108	B-80A-4' Hold		1:30					X			
AJ - 109	B-81-1' Raw		1:32					X			
AK - 110	B-81A-4' Hold	↓	1:34		↓	↓	↓	X			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) Paula Blakeborough 2-VE 10/8/10	Date/Time: 10/8/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
☐ 7-Day
☐ 10-Day
☑ Other 3 Day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: GA RCP
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
☑ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA Environmental Lead & Industrial Hygiene
NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

1050178

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

Company Name: AR Assoc. ATBS
Address: 290 Roberts St
E. Hartford CT 06108
Attention: E. Fennell
Project Location: Ellis Tech
Sampled By: M.D. & A.J.

Telephone: (860) 282-9920
Project # _____
Client PO # _____

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # : _____
Email: Edward.fennell@ARAssociates.com
Format: ☒ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER _____

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code
B-82-1'	Soil Hold	-111 AL	10/6/10	1:36		X	S	U
B-82A-4'	Hold	-112 AM		1:38				
B-83-1'	Run	-113 AN		1:40				
B-83A-4'	Hold	-114 AO		1:42				
B84-1'	Hold	-115 AP		1:44				
B-84A-4'	Hold	-116 AQ		1:46				
B85-1'	Run	-117 AR		1:48				
B85A-4'	Hold	-118 AS		1:50				
B-86-1'	Hold	-119 AT		1:52				
B-86A-4'	Hold	-120 AU		1:54				
Soil		-121 AV	10/6/10	1:56		X	S	U

Laboratory Comments:

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

PCB by 8082 - Soil/Sed.

ANALYSIS REQUESTED

	# of contain	**Preservati	~Cont.Code
10			
1			
5			

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

Client Comments:

Relinquished by: (signature)	Date/Time: 10/6/10 2:20	
Received by: (signature) Paula Blakeborough 2 Yr CB 10/6/10	Date/Time: 10/6/10 2:20	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

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

CLIENT NAME: ATC Associates RECEIVED BY: CB DATE: 10/6/10

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.4°C

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

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? (Yes) No Stored where: 19

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	120
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

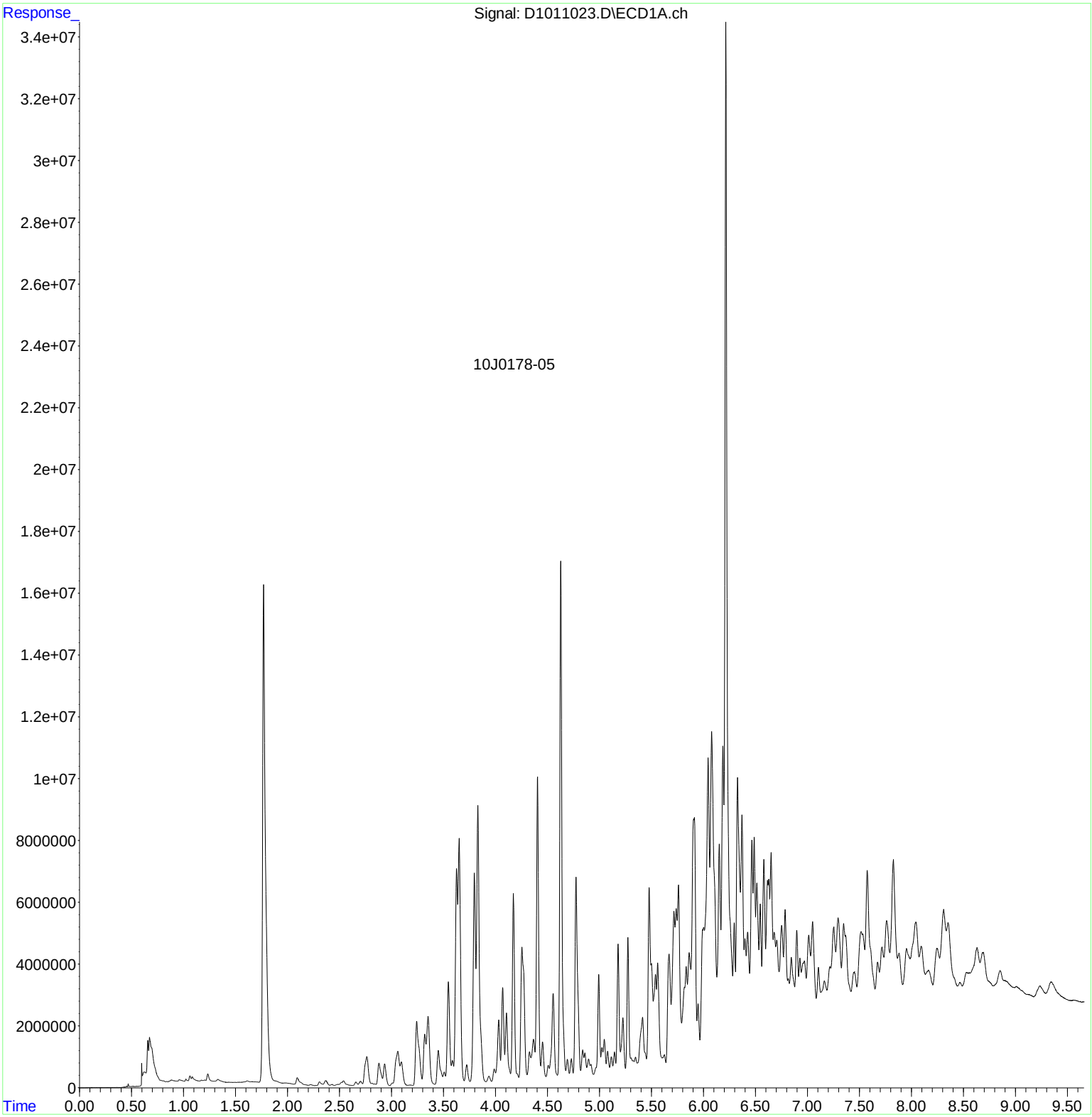
Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No (N/A) _____

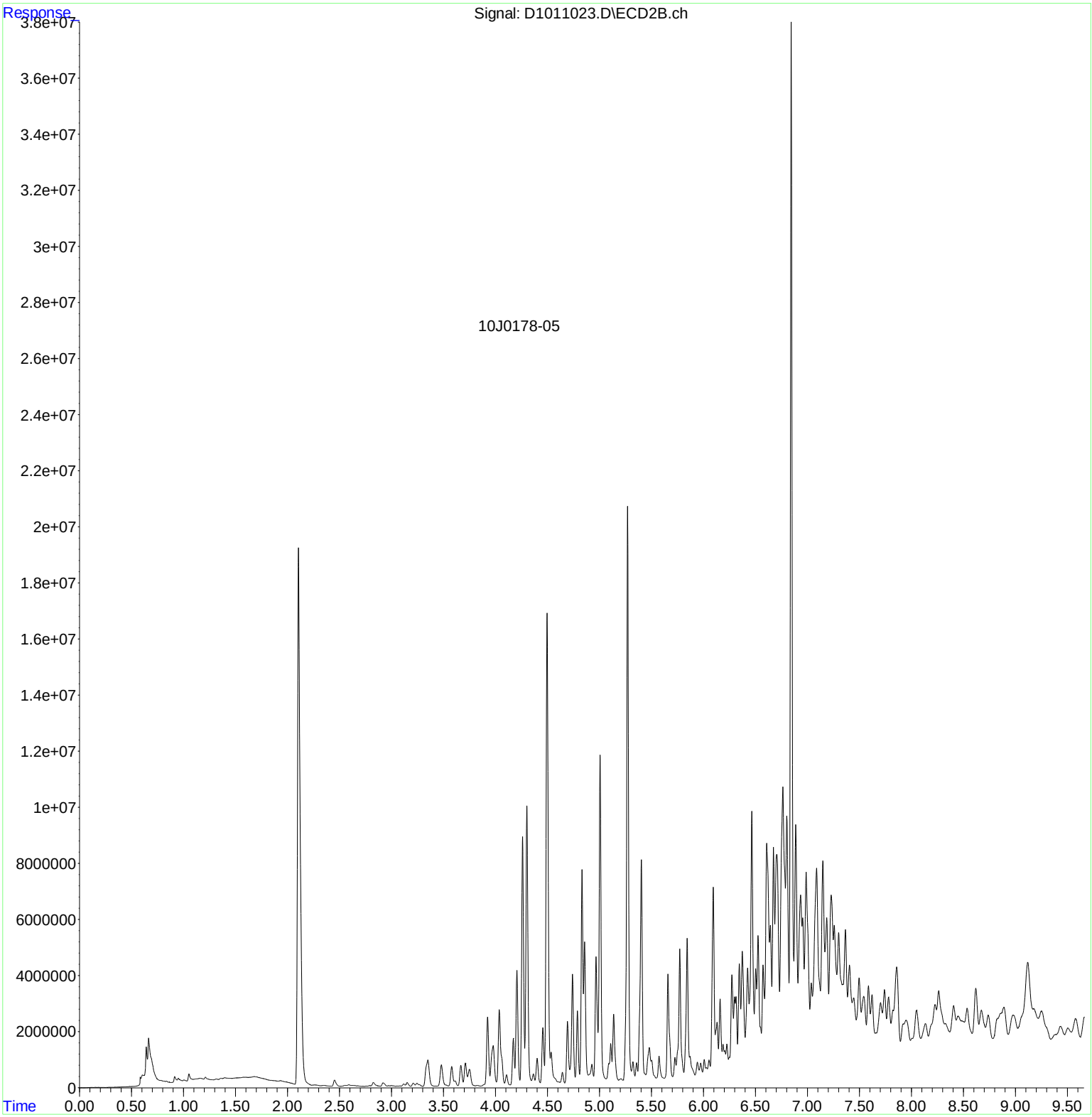
Do all samples have the proper Base pH: Yes No (N/A) _____

June 2010

File :C:\msdchem\1\DATA\101110\D1011023.D
Operator : PJG
Acquired : 11 Oct 2010 2:49 pm using AcqMethod NEWPCB2.M
Instrument : ECD 4
Sample Name: 10J0178-05@X5
Misc Info :
Vial Number: 23



File :C:\msdchem\1\DATA\101110\D1011023.D
Operator : PJG
Acquired : 11 Oct 2010 2:49 pm using AcqMethod NEWPCB2.M
Instrument : ECD 4
Sample Name: 10J0178-05@X5
Misc Info :
Vial Number: 23



REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: ATC Associates - Connecticut

Project Location: Ellis Tech

Project Number: 10J0178

Laboratory Sample ID(s):

10J0178-01 thru 10J0178-AR

Sample Date(s):

10/06/2010

List RCP Methods Used:

SW-846 8082

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

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

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

Authorized Signature:  **Position:** Laboratory Director

Printed Name: Michael A. Erickson **Date:** 10/12/10

Name of Laboratory: Con-Test Analytical Laboratory

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

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

October 22, 2010

Ed Fennell
ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108

Project Location: Ellis Tech
Client Job Number:
Project Number: Ellis Tech
Laboratory Work Order Number: 10J0482

Enclosed are results of analyses for samples received by the laboratory on October 15, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Holly L. Folsom
Project Manager

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

ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108
ATTN: Ed Fennell

REPORT DATE: 10/22/2010

PURCHASE ORDER NUMBER: 10-061-0004

PROJECT NUMBER: Ellis Tech

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10J0482

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Ellis Tech

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B1-A4ft	10J0482-01	Soil		SM 2540G SW-846 8082	

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

Login

Qualifications:

Samples were received directly from the field at ambient temperature.

Analyte & Samples(s) Qualified:

10J0482-01[B1-A4ft]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0482

Date Received: 10/15/2010

Field Sample #: B1-A4ft | Sampled: 10/5/2010 08:05

Sample ID: 10J0482-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 17:54	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 17:54	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 17:54	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 17:54	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 17:54	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 17:54	JMB
Aroclor-1260 [2]	0.75	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 17:54	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 17:54	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 17:54	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	88.0	30-150		10/20/10 17:54
Decachlorobiphenyl [2]	118	30-150		10/20/10 17:54
Tetrachloro-m-xylene [1]	108	30-150		10/20/10 17:54
Tetrachloro-m-xylene [2]	115	30-150		10/20/10 17:54

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0482

Date Received: 10/15/2010

Field Sample #: B1-A4ft | Sampled: 10/5/2010 08:05

Sample ID: 10J0482-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.3		% Wt	1		SM 2540G	10/18/10	10/18/10 17:09	VAF

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10J0482-01 [B1-A4ft]	B020807	10/18/10

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10J0482-01 [B1-A4ft]	B020824	10.2	50.0	10/18/10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B020824 - SW-846 3540C										
Blank (B020824-BLK1)				Prepared: 10/18/10 Analyzed: 10/20/10						
Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.235*		mg/Kg wet	0.200		117	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.235*		mg/Kg wet	0.200		118	30-150			
Surrogate: Tetrachloro-m-xylene	*0.232*		mg/Kg wet	0.200		116	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.242*		mg/Kg wet	0.200		121	30-150			
LCS (B020824-BS1)				Prepared: 10/18/10 Analyzed: 10/20/10						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		100	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		100	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		97.8	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140			
Surrogate: Decachlorobiphenyl	*0.217*		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.221*		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	*0.232*		mg/Kg wet	0.200		116	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.240*		mg/Kg wet	0.200		120	30-150			
LCS Dup (B020824-BSD1)				Prepared: 10/18/10 Analyzed: 10/20/10						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		98.5	40-140	1.80	30	
Aroclor-1016 [2C]	0.19	0.10	mg/Kg wet	0.200		97.0	40-140	3.36	30	
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		97.6	40-140	0.195	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140	0.331	30	
Surrogate: Decachlorobiphenyl	*0.226*		mg/Kg wet	0.200		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.229*		mg/Kg wet	0.200		115	30-150			
Surrogate: Tetrachloro-m-xylene	*0.223*		mg/Kg wet	0.200		112	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.230*		mg/Kg wet	0.200		115	30-150			

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
T-04	Samples were received directly from the field at ambient temperature.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082 in Soil	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

10J0482105037

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

Page 1 of 7

Company Name: ATC ASSOCIATES
Address: 290 ROBERTS STREET SUITE 301
EAST HARTFORD, CT 06108
Attention: ED FENNELL
Project Location: ELLIS TECH
Sampled By: AJ

Telephone: 860 282-9924
Project # Ellis Tech
Client PO # Ellis Tech

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: edward.fennell@atcassociates.com
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

PLBs 8082 Soxhlet Method

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PLBs 8082 Soxhlet Method	# of containers
B1-1'	Run	~~01~~	10-5-10	8:00		X	S	U	X	
(*) B1-A4'	~~Hold~~ Run	~~03~~ - 01		8:05		X			X	
B2-1'	Hold	~~03~~		8:10		X			X	
B2-A-4'	Hold	~~04~~		8:15		X			X	
B3-1'	Run	~~05~~		8:20		X			X	
B3A 4'	Hold	~~06~~		8:25		X			X	
B4-1'	Hold	~~07~~		8:30		X			X	
B4A-4'	Hold	~~08~~	↓	8:35		X	↓	↓	X	

Client Comments:
Run B1-1'
B3-1'
Hold all others until further notice

Laboratory Comments:
(*) Analyze B1-A4' for 5-day TAT per Ed F. HF 10/15/10

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

Relinquished by: (signature)	Date/Time: 10.5.10 1345
Received by: (signature)	Date/Time: 10/6/10 1344
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 Day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certifi

www.contestlabs.com

con-test ANALYTICAL LABORATORY

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

Sample Receipt Checklist

CLIENT NAME: ATC Associates RECEIVED BY: CB/CEC DATE: 10/5/10

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

2) Does the chain agree with the samples? (Yes) No
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) How were the samples received:
On Ice ☐ Direct from Sampling ☑ Ambient ☐ In Cooler(s) ☐

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 16.0 °C

5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? (Yes) No Stored where: 19

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	34
500 mL Amber		4 oz amber/clear jar	18
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:
Sample B26A-4' is labeled B26A 1' Client confirmed that Sample B26A-4' should be labeled B26A-4' 10/7/10 JG

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A) _____

June 2010

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: ATC Associates - Connecticut

Project Location: Ellis Tech

Project Number: 10J0482

Laboratory Sample ID(s):

10J0482-01

Sample Date(s):

10/05/2010

List RCP Methods Used:

SW-846 8082

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

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

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

Authorized Signature:  **Position:** Laboratory Director

Printed Name: Michael A. Erickson **Date:** 10/22/10

Name of Laboratory: Con-Test Analytical Laboratory

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

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

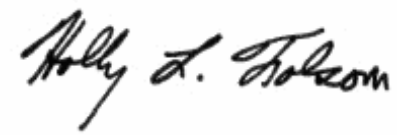
October 22, 2010

Ed Fennell
ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108

Project Location: Ellis Tech
Client Job Number:
Project Number: Ellis Tech
Laboratory Work Order Number: 10J0483

Enclosed are results of analyses for samples received by the laboratory on October 15, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Holly L. Folsom
Project Manager

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

ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108
ATTN: Ed Fennell

REPORT DATE: 10/22/2010

PURCHASE ORDER NUMBER: 10-061-0004

PROJECT NUMBER: Ellis Tech

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10J0483

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Ellis Tech

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-29A-4ft	10J0483-01	Soil		SM 2540G	
				SW-846 8082	
B-47A-4ft	10J0483-02	Soil		SM 2540G	
				SW-846 8082	

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0483

Date Received: 10/15/2010

Field Sample #: B-29A-4ft | Sampled: 10/6/2010 07:40

Sample ID: 10J0483-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:08	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:08	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:08	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:08	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:08	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:08	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:08	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:08	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	101	30-150		10/20/10 18:08
Decachlorobiphenyl [2]	115	30-150		10/20/10 18:08
Tetrachloro-m-xylene [1]	112	30-150		10/20/10 18:08
Tetrachloro-m-xylene [2]	114	30-150		10/20/10 18:08

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0483

Date Received: 10/15/2010

Field Sample #: B-29A-4ft | Sampled: 10/6/2010 07:40

Sample ID: 10J0483-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0		% Wt	1		SM 2540G	10/18/10	10/18/10 17:09	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0483

Date Received: 10/15/2010

Field Sample #: B-47A-4ft | Sampled: 10/6/2010 09:10

Sample ID: 10J0483-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:21	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:21	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:21	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:21	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:21	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:21	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:21	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:21	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/18/10	10/20/10 18:21	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	99.8	30-150		10/20/10 18:21
Decachlorobiphenyl [2]	122	30-150		10/20/10 18:21
Tetrachloro-m-xylene [1]	111	30-150		10/20/10 18:21
Tetrachloro-m-xylene [2]	115	30-150		10/20/10 18:21

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0483

Date Received: 10/15/2010

Field Sample #: B-47A-4ft | Sampled: 10/6/2010 09:10

Sample ID: 10J0483-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	94.7		% Wt	1		SM 2540G	10/18/10	10/18/10 17:09	VAF

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10J0483-01 [B-29A-4ft]	B020807	10/18/10
10J0483-02 [B-47A-4ft]	B020807	10/18/10

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10J0483-01 [B-29A-4ft]	B020824	10.0	50.0	10/18/10
10J0483-02 [B-47A-4ft]	B020824	10.1	50.0	10/18/10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B020824 - SW-846 3540C										
Blank (B020824-BLK1)				Prepared: 10/18/10 Analyzed: 10/20/10						
Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.235*		mg/Kg wet	0.200		117	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.235*		mg/Kg wet	0.200		118	30-150			
Surrogate: Tetrachloro-m-xylene	*0.232*		mg/Kg wet	0.200		116	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.242*		mg/Kg wet	0.200		121	30-150			
LCS (B020824-BS1)				Prepared: 10/18/10 Analyzed: 10/20/10						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		100	40-140			
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		100	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		97.8	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140			
Surrogate: Decachlorobiphenyl	*0.217*		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.221*		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	*0.232*		mg/Kg wet	0.200		116	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.240*		mg/Kg wet	0.200		120	30-150			
LCS Dup (B020824-BSD1)				Prepared: 10/18/10 Analyzed: 10/20/10						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		98.5	40-140	1.80	30	
Aroclor-1016 [2C]	0.19	0.10	mg/Kg wet	0.200		97.0	40-140	3.36	30	
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		97.6	40-140	0.195	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140	0.331	30	
Surrogate: Decachlorobiphenyl	*0.226*		mg/Kg wet	0.200		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.229*		mg/Kg wet	0.200		115	30-150			
Surrogate: Tetrachloro-m-xylene	*0.223*		mg/Kg wet	0.200		112	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.230*		mg/Kg wet	0.200		115	30-150			

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082 in Soil	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

CHAIN OF CUSTODY RECORD

~~105078~~ 1050483

Page 1 of 14

Company Name: ATC Associates
Address: 290 Roberts St
E. Hartford CT
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: AJ MD

Telephone: (860) 282-9924
Project # Ellis Tech
Client PO # Ellis Tech

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: Edward.Fennell@atcassociates.com
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soxhlet	# of containers	**Preservation	-Cont.Code
B-27-1'	Run	~~01~~	10.6.10	7:30		X	S	G	X			
B-27A-4'	Hold	~~02~~		7:32		X			X			
B-28-1'	Hold	~~03~~		7:34		X			X			
B-28A-4'	Hold	~~04~~		7:36		X			X			
B-29-1'	Run	~~05~~		7:38		X			X			
(*) B-29A-4'	~~Hold~~ Run	~~06~~ -07		7:40		X			X			
B-30-1'	Hold	~~07~~		7:42		X			X			
B-30A-4'	Hold	~~08~~	↓	7:44		X	↓	↓	X			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:
(*) Analyze B-29A-4' for 5 day TAT per Ed F HF 10/15

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

	Date/Time:
Relinquished by: (signature)	10/6/10 2:20
Received by: (signature) Paula Baker 2.4°C cob 10/6/10	10/6/10 2:20
Relinquished by: (signature)	
Received by: (signature)	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

~~105-0178~~ 1005483

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

Company Name: ATC Associates
Address: 290 Roberts ST
E. Hartford CT 06108
Attention: Ed. Fennell
Project Location: Ellis Tech
Sampled By: M. Dmytesko & A. Johnson

Telephone: (860) 282-9924
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☐ EMAIL ☒ WEBSITE CLIENT
Fax #:
Email: Edward-Fennell@atcassociates
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	HgB	RCRA by 8082 Soxhlet	# of containers
B-47-1'	Soil / Run	~~41~~	10/6/10	9:05		X	S	U		X	
B-47A-4'	~~Hold~~ Run	~~42~~ -02		9:10						X	
B-48-1'	Hold	~~43~~		9:15						X	
B-48A-4'	Hold	~~44~~		9:20						X	
B-49-1'	Run	~~45~~		9:25						X	
B-49A-4'	Hold	~~46~~		9:30						X	
B-50-1'	Hold	~~47~~		9:35						X	
B-50A-4'	Soil / Hold	~~48~~	10/6/10	9:40		X	S	U		X	

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:
Analyze B-47A-4' for a 5-day TAT per Ed. F HF 10/15

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2.4°c OB in ice	Date/Time:
Patricia McKeough	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

*Matrix Code:	**Preservation Codes:	
GW= groundwater	I = Iced	X = Na hydroxide
WW= wastewater	H = HCL	T = Na thiosulfate
DW= drinking water	M = Methanol	
A = air	N = Nitric Acid	
S = soil/solid	S = Sulfuric Acid	
SL = sludge	B = Sodium bisulfate	
O = other	O = Other	

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

AIHA, NELAC & WBE/DBE Certified

www.contestlabs.com

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

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

CLIENT NAME: ATC Associates RECEIVED BY: CB DATE: 10/6/10

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

2) Does the chain agree with the samples? (Yes) No
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.4°C

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

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? (Yes) No Stored where: 19

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	120
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A) _____

June 2010

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: ATC Associates - Connecticut

Project Location: Ellis Tech

Project Number: 10J0483

Laboratory Sample ID(s):

10J0483-01 thru 10J0483-02

Sample Date(s):

10/06/2010

List RCP Methods Used:

SW-846 8082

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

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

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

Authorized Signature:  **Position:** Laboratory Director

Printed Name: Michael A. Erickson **Date:** 10/22/10

Name of Laboratory: Con-Test Analytical Laboratory

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

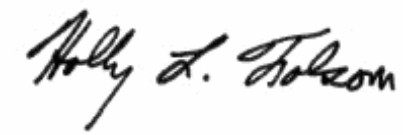
October 22, 2010

Ed Fennell
ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108

Project Location: Ellis Tech - Danielson, CT
Client Job Number:
Project Number: 61.22573.0015 T45
Laboratory Work Order Number: 10J0563

Enclosed are results of analyses for samples received by the laboratory on October 19, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Holly L. Folsom
Project Manager

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

ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108
ATTN: Ed Fennell

REPORT DATE: 10/22/2010

PURCHASE ORDER NUMBER: 10-061-0004

PROJECT NUMBER: 61.22573.0015 T45

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10J0563

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Ellis Tech - Danielson, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
101910-B1-12in	10J0563-01	Soil		SM 2540G	
				SW-846 8082	
101910-B29-12in	10J0563-02	Soil		SM 2540G	
				SW-846 8082	
101910-B47-12in	10J0563-03	Soil		SM 2540G	
				SW-846 8082	

con-test®
ANALYTICAL LABORATORY

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech - Danielson, CT | Sample Description: | Work Order: 10J0563

Date Received: 10/19/2010

Field Sample #: 101910-B1-12in | Sampled: 10/19/2010 00:00

Sample ID: 10J0563-01

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:05	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:05	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:05	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:05	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:05	PJG
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:05	PJG
Aroclor-1260 [2]	0.21	0.12	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:05	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:05	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:05	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	96.5	30-150		10/21/10 19:05
Decachlorobiphenyl [2]	131	30-150		10/21/10 19:05
Tetrachloro-m-xylene [1]	106	30-150		10/21/10 19:05
Tetrachloro-m-xylene [2]	112	30-150		10/21/10 19:05

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech - Danielson, CT | Sample Description: | Work Order: 10J0563

Date Received: 10/19/2010

Field Sample #: 101910-B1-12in | Sampled: 10/19/2010 00:00

Sample ID: 10J0563-01

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.1		% Wt	1		SM 2540G	10/19/10	10/20/10 10:14	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech - Danielson, CT | Sample Description: | Work Order: 10J0563

Date Received: 10/19/2010

Field Sample #: 101910-B29-12in | Sampled: 10/19/2010 00:00

Sample ID: 10J0563-02

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:18	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:18	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:18	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:18	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:18	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:18	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:18	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:18	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	106	30-150		10/21/10 19:18
Decachlorobiphenyl [2]	108	30-150		10/21/10 19:18
Tetrachloro-m-xylene [1]	120	30-150		10/21/10 19:18
Tetrachloro-m-xylene [2]	124	30-150		10/21/10 19:18

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech - Danielson, CT | Sample Description: | Work Order: 10J0563

Date Received: 10/19/2010

Field Sample #: 101910-B29-12in | Sampled: 10/19/2010 00:00

Sample ID: 10J0563-02

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	98.7		% Wt	1		SM 2540G	10/19/10	10/20/10 10:14	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech - Danielson, CT | Sample Description: | Work Order: 10J0563

Date Received: 10/19/2010

Field Sample #: 101910-B47-12in | Sampled: 10/19/2010 00:00

Sample ID: 10J0563-03

Sample Matrix: Soil

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:32	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:32	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:32	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:32	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:32	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:32	PJG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:32	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:32	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	1		SW-846 8082	10/19/10	10/21/10 19:32	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.5	30-150		10/21/10 19:32
Decachlorobiphenyl [2]	103	30-150		10/21/10 19:32
Tetrachloro-m-xylene [1]	111	30-150		10/21/10 19:32
Tetrachloro-m-xylene [2]	113	30-150		10/21/10 19:32

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

Project Location: Ellis Tech - Danielson, CT | Sample Description: | Work Order: 10J0563

Date Received: 10/19/2010

Field Sample #: 101910-B47-12in | Sampled: 10/19/2010 00:00

Sample ID: 10J0563-03

Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	93.8		% Wt	1		SM 2540G	10/19/10	10/20/10 10:14	VAF

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
10J0563-01 [101910-B1-12in]	B020916	10/19/10
10J0563-02 [101910-B29-12in]	B020916	10/19/10
10J0563-03 [101910-B47-12in]	B020916	10/19/10

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10J0563-01 [101910-B1-12in]	B020931	10.0	50.0	10/19/10
10J0563-02 [101910-B29-12in]	B020931	10.0	50.0	10/19/10
10J0563-03 [101910-B47-12in]	B020931	10.1	50.0	10/19/10

con-test® ANALYTICAL LABORATORY

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

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B020931 - SW-846 3540C										
Blank (B020931-BLK1)				Prepared: 10/19/10 Analyzed: 10/21/10						
Aroclor-1016	ND	0.10	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1221	ND	0.10	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1232	ND	0.10	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1242	ND	0.10	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1248	ND	0.10	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1254	ND	0.10	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1260	ND	0.10	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1262	ND	0.10	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.10	mg/Kg wet							
Aroclor-1268	ND	0.10	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.10	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.232*		mg/Kg wet	0.200		116	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.237*		mg/Kg wet	0.200		118	30-150			
Surrogate: Tetrachloro-m-xylene	*0.246*		mg/Kg wet	0.200		123	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.253*		mg/Kg wet	0.200		126	30-150			
LCS (B020931-BS1)				Prepared: 10/19/10 Analyzed: 10/21/10						
Aroclor-1016	0.21	0.10	mg/Kg wet	0.200		106	40-140			
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		111	40-140			
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		108	40-140			
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		114	40-140			
Surrogate: Decachlorobiphenyl	*0.225*		mg/Kg wet	0.200		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.229*		mg/Kg wet	0.200		115	30-150			
Surrogate: Tetrachloro-m-xylene	*0.238*		mg/Kg wet	0.200		119	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.243*		mg/Kg wet	0.200		122	30-150			
LCS Dup (B020931-BSD1)				Prepared: 10/19/10 Analyzed: 10/21/10						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		102	40-140	4.23	30	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		99.5	40-140	11.0	30	
Aroclor-1260	0.21	0.10	mg/Kg wet	0.200		107	40-140	1.32	30	
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200		112	40-140	1.71	30	
Surrogate: Decachlorobiphenyl	*0.215*		mg/Kg wet	0.200		107	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.219*		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	*0.226*		mg/Kg wet	0.200		113	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.234*		mg/Kg wet	0.200		117	30-150			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B020931 - SW-846 3540C										
Matrix Spike (B020931-MS1)	**Source: 10J0563-01**			Prepared: 10/19/10 Analyzed: 10/21/10						
Aroclor-1016	0.29	0.12	mg/Kg dry	0.247	0.0	119	40-140			
Aroclor-1016 [2C]	0.30	0.12	mg/Kg dry	0.247	0.0	121	40-140			
Aroclor-1260	0.39	0.12	mg/Kg dry	0.247	0.18	86.1	40-140			
Aroclor-1260 [2C]	0.41	0.12	mg/Kg dry	0.247	0.21	83.1	40-140			
Surrogate: Decachlorobiphenyl	*0.253*		mg/Kg dry	0.247		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.347*		mg/Kg dry	0.247		141	30-150			
Surrogate: Tetrachloro-m-xylene	*0.280*		mg/Kg dry	0.247		114	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.289*		mg/Kg dry	0.247		117	30-150			
Matrix Spike Dup (B020931-MSD1)	**Source: 10J0563-01**			Prepared: 10/19/10 Analyzed: 10/21/10						
Aroclor-1016	0.30	0.12	mg/Kg dry	0.247	0.0	123	40-140	3.72	50	
Aroclor-1016 [2C]	0.30	0.12	mg/Kg dry	0.247	0.0	123	40-140	1.86	50	
Aroclor-1260	0.34	0.12	mg/Kg dry	0.247	0.18	67.9	40-140	12.3	50	
Aroclor-1260 [2C]	0.36	0.12	mg/Kg dry	0.247	0.21	61.8	40-140	13.5	50	
Surrogate: Decachlorobiphenyl	*0.236*		mg/Kg dry	0.247		95.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.370*		mg/Kg dry	0.247		150	30-150			
Surrogate: Tetrachloro-m-xylene	*0.258*		mg/Kg dry	0.247		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.279*		mg/Kg dry	0.247		113	30-150			

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082 in Soil	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

10J0563

CHAIN OF CUSTODY RECORD

NOT ICED

Page 1 of

Company Name: ATC Associates Inc.
Address: 290 Roberts St. - Ste 301
E. Hartford CT 06108
Attention: Ed Fennell
Project Location: Ellis Tech - Danielson, CT
Sampled By: MaH Molnar

Telephone: (860) 282-9924
Project #: 61.22573.0015 T45
Client PO#:

DATA DELIVERY (check all that apply)
✓ FAX ✓ EMAIL ✓ WEBSITE
Fax #: (860) 282-9826
Email: edward.fennell@atcassoc.com
Format: ✓ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	3	G	PCBs 8082 w/ Soxhlet	# of Containe	** Preservati	***Container
-01	101910-B1 - 12" Depth	10/19/10	10/19/10			S				✓			
-02	101910-B29 - 12" Depth	↓	↓			↓				✓			
-03	101910-B47 - 12" Depth	↓	↓			↓				✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 10/19/10 1000
Relinquished by: (signature)	Date/Time: 10/19/10 1232
Received by: (signature)	Date/Time: 10/19/10 1259

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS PACKAGE

www.contestlabs.com

CON-TEST ANALYTICAL LABORATORY

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

Sample Receipt Checklist

CLIENT NAME: ATC Associates Inc. RECEIVED BY: CB DATE: 10/19/10

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.4°C

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

Who was notified _____ Date _____ Time _____

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

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

Who was notified NA Date NA Time NA

8) Location where samples are stored: 19

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

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	3
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A) _____

June 2010

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

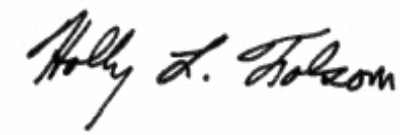
October 22, 2010

Andy Johnson
ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108

Project Location: Ellis Tech
Client Job Number:
Project Number: Ellis Tech
Laboratory Work Order Number: 10J0593

Enclosed are results of analyses for samples received by the laboratory on October 5, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Holly L. Folsom
Project Manager

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

ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108
ATTN: Andy Johnson

REPORT DATE: 10/22/2010

PURCHASE ORDER NUMBER: Ellis Tech

PROJECT NUMBER: Ellis Tech

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10J0593

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Ellis Tech

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B1-1ft	10J0593-01	Soil		SW-846 1312 SW-846 8082	

con-test® ANALYTICAL LABORATORY

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082

Qualifications:

Analysis was requested after the recommended holding time had passed.

Analyte & Samples(s) Qualified:

10J0593-01[B1-1ft]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0593

Date Received: 10/5/2010

Field Sample #: B1-1ft | Sampled: 10/5/2010 08:00

Sample ID: 10J0593-01

Sample Matrix: Soil

Sample Flags: H-10

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:16	PJG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:16	PJG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:16	PJG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:16	PJG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:16	PJG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:16	PJG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:16	PJG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:16	PJG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:16	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.4	30-150		10/22/10 10:16
Decachlorobiphenyl [2]	91.0	30-150		10/22/10 10:16
Tetrachloro-m-xylene [1]	87.1	30-150		10/22/10 10:16
Tetrachloro-m-xylene [2]	83.8	30-150		10/22/10 10:16

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

Sample Extraction Data

Prep Method: SW-846 1312-SW-846 8082 **Leachates were extracted on 10/20/2010 per SW-846 1312 in Batch B021004**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10J0593-01 [B1-1ft]	B021046	500	5.00	10/21/10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B021046 - SW-846 1312										
Blank (B021046-BLK1)				Prepared: 10/21/10 Analyzed: 10/22/10						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*2.00*		µg/L	2.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.92*		µg/L	2.00		95.9	30-150			
Surrogate: Tetrachloro-m-xylene	*2.21*		µg/L	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.17*		µg/L	2.00		108	30-150			
LCS (B021046-BS1)				Prepared: 10/21/10 Analyzed: 10/22/10						
Aroclor-1016	0.50	0.20	µg/L	0.500		99.4	40-140			
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Aroclor-1260	0.52	0.20	µg/L	0.500		104	40-140			
Aroclor-1260 [2C]	0.53	0.20	µg/L	0.500		107	40-140			
Surrogate: Decachlorobiphenyl	*2.36*		µg/L	2.00		118	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.24*		µg/L	2.00		112	30-150			
Surrogate: Tetrachloro-m-xylene	*2.57*		µg/L	2.00		129	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.54*		µg/L	2.00		127	30-150			
LCS Dup (B021046-BSD1)				Prepared: 10/21/10 Analyzed: 10/22/10						
Aroclor-1016	0.50	0.20	µg/L	0.500		99.5	40-140	0.131	20	
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		102	40-140	0.684	20	
Aroclor-1260	0.55	0.20	µg/L	0.500		111	40-140	6.36	20	
Aroclor-1260 [2C]	0.57	0.20	µg/L	0.500		115	40-140	7.56	20	
Surrogate: Decachlorobiphenyl	*2.61*		µg/L	2.00		131	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.48*		µg/L	2.00		124	30-150			
Surrogate: Tetrachloro-m-xylene	*2.41*		µg/L	2.00		121	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.43*		µg/L	2.00		122	30-150			

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
H-10	Analysis was requested after the recommended holding time had passed.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

1030593

CHAIN OF CUSTODY RECORD

~~1030137~~

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 1 of 7

Company Name: ATC ASSOCIATES
Address: 290 ROBERTS STREET SUITE301
EAST HARTFORD, CT 06108
Attention: ED FENNELL
Project Location: ELLIS TECH
Sampled By: AJ

Telephone: 860 282 9924
Project # Ellis Tech
Client PO # Ellis Tech

DATA DELIVERY (check one):
☐FAX ☒EMAIL ☐WEBSITE CLIENT
Fax # :
Email: edward.fennell@atcassociates.com
Format: ☐EXCEL ☒PDF ☐ GIS KEY
☐ OTHER

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

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soxhlet Methol	ANALYSIS REQUESTED	# of containers	**Preservation	-Cont.Code
B1-1'	Run	-01 ☆	10-5-10	8:00		X	S	U	X	☆ Re-Activated For SPLP PCB Per Ed Fennel 10/20 JMG on a 48hr TAT			
~~B1-A4'~~	Hold	~~-02~~		8:05		X			X				
B2-1'	Hold	~~-03~~		8:10		X			X				
~~B2-A-4~~	Hold	~~-04~~		8:15		X			X	OK to run pcb's hold all others until further notice			
B3-1'	Run	~~-05~~		8:20		X			X				
~~B3A 4'~~	Hold	~~-06~~		8:25		X			X				
B4-1'	Hold	~~-07~~		8:30		X			X				
~~B4A-4'~~	Hold	~~-08~~	↓	8:35		X	↓	↓	X				

# of containers
**Preservation
-Cont.Code

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

Client Comments:
Run B1-1'
B3-1'
Hold all others until further notice

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10 1344	
Received by: (signature)	Date/Time: 10/6/10 1344	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

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

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

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

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

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

AIHA, NELAC & WBE/DBE Certifir

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Company Name: ATC Associates
Address: 290 Roberts St. Suite 301
East Hartford, CT
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: AJ

Telephone: (860) 282-9924
Project #: Ellis Tech
Client PO #: Ellis Tech

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soil/Liq	# of containers	**Preservation	-Cont.Code
B5-1'	Raw	~~09~~	10-5-10	8:40		X	S	G	X			
B5A-4'	Hold	~~10~~		8:45		X			X			
B6-1'	Hold	~~11~~		8:50		X			X			
B6A-4'	Hold	~~12~~		8:55		X			X			
B7-1'	Raw	~~13~~		9:00		X			X			
B7A-4'	Hold	~~14~~		9:05		X			X			
B8-1'	Hold	~~15~~		9:10		X			X			
B8A-4'	Hold	~~16~~	↓	9:15		X	↓	↓	X			

ANALYSIS REQUESTED

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

Client Comments:
Raw
B5-1'
&
B7-1'
Hold
all
Others

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10 1344	
Received by: (signature)	Date/Time: 10/5/10 1344	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 Day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Company Name: ATC ASSOCIATES
Address: 290 ROBERTS STREET SUITE 301
EAST HARTFORD, CT 06108
Attention: ED FENNELL
Project Location: ELLS TECH
Sampled By: AD

Telephone: (860) 282-9924
Project # Ellis Tech
Client PO # Ellis Tech

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: edward.fennell@atcassociates.com
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCBs, Bulk Soil/Solid	# of containers	**Preservation	Cont. Code
B9-1'	Run	~~17~~	10-5-10	9:20		X	S	U	X			
B9A-4'	Hold	~~18~~		9:25		X			X			
B10-1'	Hold	~~19~~		9:30		X			X			
B10A-4'	Hold	~~20~~		9:35		X			X			
B11-1'	Run	~~21~~		9:40		X			X			
B11A-4	Hold	~~22~~		9:45		X			X			
B12-1'	Hold	~~23~~		9:50		X			X			
B12A-4'	Hold	~~24~~	↓	9:55		X	↓	↓	X			

ANALYSIS REQUESTED

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

Client Comments:
Run:
B9-1
↓
B11-1
Hold
others

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10 1344	
Received by: (signature)	Date/Time: 10/5/10 1244	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Company Name: ATC Associates, Inc.
Address: 290 Roberts Street Suite 301
East Hartford, CT
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: AJ

Telephone: (860) 282-9924
Project # _____
Client PO # _____

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # : _____
Email: _____
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER _____

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

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soil/Liquid	# of containers	**Preservation	~Cont.Code
B13-1'	Rock	~~25~~	10-5-10	10:00		X	S	G	X			
B13A-4'	Hold	~~26~~		10:05		X			X			
B14-1'	Hold	~~27~~		10:10		X			X			
B14A-4'	Hold	~~28~~		10:15		X			X			
B15-1'	Rock	~~29~~ 29		10:20		X			X			
B15A-4'	Hold	~~30~~		10:25		X			X			
B16-1'	Hold	~~31~~		10:30		X			X			
B16A-4'	Hold	~~32~~	↓	10:35		X	↓	↓	X			

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10 1344	
Received by: (signature)	Date/Time: 10/11/10 1344	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 to 4
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Company Name: ATC ASSOCIATES
Address: 290 ROBERTS STREET
EAST HARTFORD, CT
Attention: ED FENNELL
Project Location: ELLIS TECH
Sampled By: AJ

Telephone: (860) 282-9924
Project # _____
Client PO # _____

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # : _____
Email: _____
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER _____

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

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCB 8082 Soil/P	# of containers	**Preservation	~Cont.Code
B17-1'	Raw	~~23~~	10-5-10	10:40		X	S	9				
B17A-4'	Hold	~~24~~		10:45		X						
B18-1	Hold	~~25~~		10:50		X						
B18A-4'	Hold	~~26~~		10:55		X						
B19-1'	Raw	~~27~~		11:00		X						
B19A-4'	Hold	~~28~~		11:05		X						
B20-1'	Hold	~~29~~		11:10		X						
B20A-4'	Hold	~~40~~		11:15		X	U					

ANALYSIS REQUESTED

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

Client Comments:
Raw B17-1' + B19-1' Hold Others

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10, 12:20	
Received by: (signature)	Date/Time: 10/5/10 1344	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 Day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Page 6 of 17

Company Name: ATC ASSOCIATES
Address: 290 ROBERTS STREET SUITE 501
EAST HARTFORD, CT 06108
Attention: ED FENNELL
Project Location: ELLIS TECH
Sampled By: AS

Telephone: (860) 282.9924
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax #:
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

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

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	8260 Soil List	# of containers	**Preservation	~Cont.Code
B21-1'	Raw	~~11~~	10-5-10	11:20		X	S	U	X			
B21A-4'	Hold	~~12~~		11:25		X			X			
B22-1'	Hold	~~13~~		11:30		X			X			
B22A-4'	Hold	~~14~~		11:35		X			X			
B23-1'	Raw	~~15~~		11:40		X			X			
B23A-4'	Hold	~~16~~		11:45		X			X			
B24-1'	Hold	~~17~~		11:50		X			X			
B24A-4'	Hold	~~18~~	↓	11:55		X	↓	↓	X			

ANALYSIS REQUESTED

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

Client Comments:
RUN
B21-1'
B23-1'
Hold
others

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10 13:40 ~~12:30~~
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

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

Page 1 of 1

Company Name: ATC ASSOCIATES
Address: 290 ROBERTS STREET
EAST HARTFORD, CT
Attention: ED FENNELL
Project Location: ELLIS TECH
Sampled By: AJ

Telephone: (860) 282-9924
Project # _____
Client PO # _____

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # : _____
Email: _____
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER _____

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soil/Solid	# of containers	**Preservation	-Cont.Code
B25-1'	Raw	49	10-5-10	12:00		X	S	U	X			
B25-1A'	Hold	50		12:05		X			X			
B26-1'	Hold	51		12:10		X			X			
B26A-1'	Hold	52		12:15		X			X			

ANALYSIS REQUESTED

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

Client Comments:
Raw
B25-1'
Hold
Others

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10-5-10 13:45	
Received by: (signature)	Date/Time: 10/5/10 13:45	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 Day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

www.contestlabs.com

con-test ANALYTICAL LABORATORY

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

Sample Receipt Checklist

CLIENT NAME: ATC Associates RECEIVED BY: CAB/CEC DATE: 10/5/10

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

2) Does the chain agree with the samples? (Yes) No
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) How were the samples received:
On Ice ☐ Direct from Sampling ☑ Ambient ☐ In Cooler(s) ☐

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 16.0 °C

5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? (Yes) No Stored where: 19

7) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	34
500 mL Amber		4 oz amber/clear jar	18
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:
Sample B26A-4' is labeled B26A 1' Client confirmed that Sample B26A-4' should be labeled B26A-4' 10/7/10 SG

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A) _____

June 2010

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: ATC Associates - Connecticut

Project Location: Ellis Tech

Project Number: 10J0593

Laboratory Sample ID(s):

10J0593-01

Sample Date(s):

10/05/2010

List RCP Methods Used:

SW-846 1312, SW-846 8082

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

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

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

Authorized Signature:  **Position:** Laboratory Manager

Printed Name: Daren J. Damboragian **Date:** 10/22/10

Name of Laboratory: Con-Test Analytical Laboratory

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

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

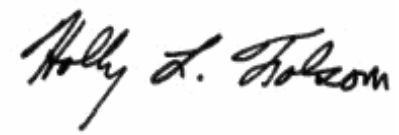
October 22, 2010

Ed Fennell
ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108

Project Location: Ellis Tech
Client Job Number:
Project Number: Ellis Tech
Laboratory Work Order Number: 10J0592

Enclosed are results of analyses for samples received by the laboratory on October 6, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Holly L. Folsom
Project Manager

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

ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108
ATTN: Ed Fennell

REPORT DATE: 10/22/2010

PURCHASE ORDER NUMBER: 10-061-0004

PROJECT NUMBER: Ellis Tech

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10J0592

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Ellis Tech

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B-29-1ft	10J0592-01	Soil		SW-846 1312	
				SW-846 8082	
B-47-1ft	10J0592-02	Soil		SW-846 1312	
				SW-846 8082	

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082

Qualifications:

Analysis was requested after the recommended holding time had passed.

Analyte & Samples(s) Qualified:

10J0592-01[B-29-1ft], 10J0592-02[B-47-1ft]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0592

Date Received: 10/6/2010

Field Sample #: B-29-1ft | Sampled: 10/6/2010 07:38

Sample ID: 10J0592-01

Sample Matrix: Soil

Sample Flags: H-10

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 9:49	PJG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 9:49	PJG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 9:49	PJG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 9:49	PJG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 9:49	PJG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 9:49	PJG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 9:49	PJG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 9:49	PJG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 9:49	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		10/22/10 9:49
Decachlorobiphenyl [2]	98.0	30-150		10/22/10 9:49
Tetrachloro-m-xylene [1]	87.1	30-150		10/22/10 9:49
Tetrachloro-m-xylene [2]	85.0	30-150		10/22/10 9:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech | Sample Description: | Work Order: 10J0592

Date Received: 10/6/2010

Field Sample #: B-47-1ft | Sampled: 10/6/2010 09:05

Sample ID: 10J0592-02

Sample Matrix: Soil

Sample Flags: H-10

SPLP - Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:02	PJG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:02	PJG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:02	PJG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:02	PJG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:02	PJG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:02	PJG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:02	PJG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:02	PJG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082	10/21/10	10/22/10 10:02	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	82.0	30-150		10/22/10 10:02
Decachlorobiphenyl [2]	78.9	30-150		10/22/10 10:02
Tetrachloro-m-xylene [1]	87.2	30-150		10/22/10 10:02
Tetrachloro-m-xylene [2]	85.5	30-150		10/22/10 10:02

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

Sample Extraction Data

Prep Method: SW-846 1312-SW-846 8082 **Leachates were extracted on 10/20/2010 per SW-846 1312 in Batch B021004**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
10J0592-01 [B-29-1ft]	B021046	500	5.00	10/21/10
10J0592-02 [B-47-1ft]	B021046	500	5.00	10/21/10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B021046 - SW-846 1312										
Blank (B021046-BLK1)				Prepared: 10/21/10 Analyzed: 10/22/10						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*2.00*		µg/L	2.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.92*		µg/L	2.00		95.9	30-150			
Surrogate: Tetrachloro-m-xylene	*2.21*		µg/L	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.17*		µg/L	2.00		108	30-150			
LCS (B021046-BS1)				Prepared: 10/21/10 Analyzed: 10/22/10						
Aroclor-1016	0.50	0.20	µg/L	0.500		99.4	40-140			
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Aroclor-1260	0.52	0.20	µg/L	0.500		104	40-140			
Aroclor-1260 [2C]	0.53	0.20	µg/L	0.500		107	40-140			
Surrogate: Decachlorobiphenyl	*2.36*		µg/L	2.00		118	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.24*		µg/L	2.00		112	30-150			
Surrogate: Tetrachloro-m-xylene	*2.57*		µg/L	2.00		129	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.54*		µg/L	2.00		127	30-150			
LCS Dup (B021046-BSD1)				Prepared: 10/21/10 Analyzed: 10/22/10						
Aroclor-1016	0.50	0.20	µg/L	0.500		99.5	40-140	0.131	20	
Aroclor-1016 [2C]	0.51	0.20	µg/L	0.500		102	40-140	0.684	20	
Aroclor-1260	0.55	0.20	µg/L	0.500		111	40-140	6.36	20	
Aroclor-1260 [2C]	0.57	0.20	µg/L	0.500		115	40-140	7.56	20	
Surrogate: Decachlorobiphenyl	*2.61*		µg/L	2.00		131	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.48*		µg/L	2.00		124	30-150			
Surrogate: Tetrachloro-m-xylene	*2.41*		µg/L	2.00		121	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.43*		µg/L	2.00		122	30-150			

con-test® ANALYTICAL LABORATORY

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

QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B021046 - SW-846 1312										
Matrix Spike (B021046-MS1)	**Source: 10J0592-01**			Prepared: 10/21/10 Analyzed: 10/22/10						
Aroclor-1016	0.40	0.20	µg/L	0.500	ND	79.5	40-140			
Aroclor-1016 [2C]	0.40	0.20	µg/L	0.500	ND	80.7	40-140			
Aroclor-1260	0.39	0.20	µg/L	0.500	ND	78.3	40-140			
Aroclor-1260 [2C]	0.42	0.20	µg/L	0.500	ND	83.8	40-140			
Surrogate: Decachlorobiphenyl	*1.82*		µg/L	2.00		91.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.74*		µg/L	2.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.65*		µg/L	2.00		82.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.62*		µg/L	2.00		81.1	30-150			

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
H-10	Analysis was requested after the recommended holding time had passed.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

1050592

CHAIN OF CUSTODY RECORD

~~1050178~~

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 1 of 14

Company Name: ATC Associates
Address: 290 Roberts St
E. Hartford CT
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: AJ MD

Telephone: (860) 282-9924
Project # Ellis Tech
Client PO # Ellis Tech

DATA DELIVERY (check one):
☐FAX ☒EMAIL ☐WEBSITE CLIENT
Fax # :
Email: Edward.Fennell@atcassociates.com
Format: ☐ EXCEL ☒PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soil/Wipe	H	G	# of containers
B-27-1'	Raw	~~01~~	10-6-10	7:30		X	S	G	X			
B-27A-4'	Hold	~~02~~	"	7:32		X	"	"	X			
B-28-1'	Hold	~~03~~	"	7:34		X	"	"	X			
B-28A-4'	Hold	~~04~~	"	7:36		X	"	"	X			
B-29-1'	Raw	~~05~~ A-Q	"	7:38		X	"	"	X			
B-29A-4'	Hold	~~06~~	"	7:40		X	"	"	X			
B-30-1'	Hold	~~07~~	"	7:42		X	"	"	X			
B-30A-4'	Hold	~~08~~	"	7:44		X	"	"	X			

ANALYSIS REQUESTED

A-Pre activated for SPLP PCB Per Ed Fennell 10/20 SMO

OK TO RUN

48 hr TAT PAST HOLD

Client Comments:

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

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10/6/10 2120	
Received by: (signature) Paula Bezkorovainy 2.4°C cor @ 16:15	Date/Time: 10/6/10 2:20	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

105017B

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

Company Name: ATC Associates
Address: 290 Roberts ST
E. Hartford CT 06108
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: M. Dmytenko & A Johnson

Telephone: (860) 2829924
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax # :
Email: Edward.Fennell@ATCassociates.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCB by 8082 Soxhlet	# of containers	**Preservation	-Cont.Code
B-31-1'	Soil Run	~~09~~	10/6/10	7:46		X	S	V	X			
B-31A-1'	Hold	~~10~~		7:48					X			
B-32-1'	Hold	~~11~~		7:50					X			
B-32A-1'	Hold	~~12~~		7:52					X			
B-33-1'	RUN	~~13~~		7:54					X			
B-33A-1'	Hold	~~14~~		7:56					X			
B-34-1'	Hold	~~15~~		7:58					X			
B-34A-1'	Soil Hold	~~16~~	10/6/10	8:00		X	S	V	X			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2.4°C cab 10/6/10	Date/Time:
	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

1050178

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

Company Name: ATC Associates Inc.
Address: 290 Roberts St
E. Hartford CT
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: ASMD

Telephone:( )
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

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

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soil/Liq	# of containers	**Preservation	~Cont.Code
B-35-1'	raw	-17	10-6-10	8:02		X	S	9	X	8	I	G
B-35A-4'	Hold	-18		8:04		X			X			
B-36-1'	Hold	-19		8:06		X			X			
B-36A-4'	Hold	-20		8:08		X			X			
B-37-1'	Raw	-21		8:10		X			X			
B-37A-4'	Hold	-22		8:12		X			X			
B-38-1'	Hold	-23		8:14		X			X			
B-38A-4'	Hold	-24		8:16		X			X			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2.4°C	Date/Time:
Paula Blakeborough 10/8/10	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

10J0178

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

Page 4 of 14

Company Name: ATC Associates
Address: 290 Roberts ST
East Hartford CT 06108
Attention: Ed. Fennell
Project Location: Ellis Tech
Sampled By: M. Dmyterko & A. Johnson

Telephone: (860) 282-9924
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☒ WEBSITE CLIENT
Fax #:
Email: Edward.Fennell@atcassociates.com
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

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

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	# of containers	**Preservation	~Cont.Code	PCB by 8082 soil left	ANALYSIS REQUESTED
B-39-1'	Soil / RUN	~~31~~	10/6/10	8:18		X	S	U	1	I	G	X	
B-39A-4'	Hold	~~26~~		8:20								X	
B-40-1'	Hold	~~27~~		8:22								X	
B-40A-4'	Hold	~~28~~		8:24								X	
B-41-1'	RUN	~~29~~		8:26								X	
B-41A-4'	Hold	~~30~~		8:28								X	
B-42-1'	Hold	~~31~~		8:30								X	
B-42A-4'	Soil / Hold	~~32~~ -32	10/6/10	8:32		X	S	U				X	

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2.4°c GD 10/6/10	Date/Time: 10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

10J0178

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

Company Name: ATC Associates Inc
Address: 290 Roberts ST
E. Hartford CT
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: Ellis Tech

Telephone:( )
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

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

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soil/Solid										# of containers	**Preservation	~Cont.Code
B43-1'	Run	~~33~~	10:10	8:34		X	S	4	V												
B-43A-4'	Hold	~~34~~		8:36		X			X												
B-44-1'	Hold	~~35~~		8:38		X			X												
B-44A-4'	Hold	~~36~~		8:40		X			X												
B-45-1'	Run	~~37~~		8:45		X			X												
B-45A-4'	Hold	~~38~~		8:50		X			X												
B-46-1'	Hold	~~39~~		8:55		X			X												
B-46A-4'	Hold	~~40~~	↓	9:00		X	↓	↓	X												

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2320
Received by: (signature) Paula B. Kabanuck 2-yoc cgs 10/6/10	Date/Time: 10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

1J0592

CHAIN OF CUSTODY RECORD

~~1J0178~~

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

Page 6 of 14

Company Name: AZ Associates
Address: 290 Roberts ST
E. Hartford CT 06108
Attention: Ed. Fennell
Project Location: Ellis Tech
Sampled By: M. Dmytesko & A. Johnson

Telephone: (860) 282-9924
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☐ EMAIL ☒ WEBSITE CLIENT
Fax #:
Email: Edward.Fennell@AZAssociates
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

ANALYSIS REQUESTED

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCB by 8082 soxhlet	# of containers	**Preservation	~Cont.Code
B-47-1'	Soil / Run	~~11702~~ ☆	10/6/10	9:05		X	S	U	X			
B-47A-4'	Hold	~~11~~		9:10					X			
B-48-1'	Hold	~~11703~~		9:15					X			
B-48A-4'	Hold	~~11704~~		9:20					X			
B-49-1'	Run	~~11705~~		9:25					X			
B-49A-4'	Hold	~~11706~~		9:30					X			
B-50-1'	Hold	~~11707~~		9:35					X			
B-50A-4'	Soil / Hold	~~11708~~	10/6/10	9:40		X	S	U	X			

☆ - Re Activated for SPLP PCB on a 48hr TAT

Per Ed Fennel 10/20/10
OK To Run Past Hold

Client Comments:

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

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10/6/10 2:20	
Received by: (signature) 2.4°c ice/ice	Date/Time: 10/6/10 2:20	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

10501(78

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

Company Name: ATC Associates Inc
Address: 290 Roberts ST
E. Hartford CT
Attention: Ed Fennell
Project Location: Ellis Tech
Sampled By: Ellis Tech

Telephone:( )
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soxhlet										# of containers	**Preservation	~Cont.Code
B-51-1'	Run	-49	10-6-10	9:45		X	S	G	X										8	4	G
B-51A-4'	Hold	-50		9:50		X			X												
B-52-1'	Hold	-51		9:55		X			X												
B-52A-4'	Hold	-52		10:00		X			X												
B-53-1'	Run	-53		10:05		X			X												
B-53A-4'	Hold	-54		10:10		X			X												
B-54-1'	Hold	-55		10:15		X			X												
B-54A-4'	Hold	-56	↓	10:20		X	↓	↓	X												

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2.4°c 4/8 coolers	Date/Time:
Paula Kalkos	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 2 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 SPRUCE ST, 2ND FLOOR
EAST LONGMEADOW, MA 01028

CHAIN OF CUSTODY RECORD

1050178

Page 9 of 14

Company Name: AR Assoc. ARES
Address: 290 Roberts ST
E. Hartford, CT 06108
Attention: E. Fennell
Project Location: Ellis Tech
Sampled By: M.D & A.J.
Telephone: (860) 282-9924
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☒ WEBSITE CLIENT
Fax #:
Email: Edward.fennell@ARassoc.com
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCB by 8082 soxhlet	# of containers	**Preservation	~Cont.Code
B-55-1'	Soil	Run -57	10/6/10	10:30		X	S	U	X	4		G
B-55A-4'		Hold -58		10:35					X			
B-56-1'		Hold -59		10:48					X			
B-56A-4'		Hold -60		10:45					X			
B-57-1'		Run -61		10:50					X			
B-57A-4'		Hold -62		10:55					X			
B-58-1'		Hold -63		11:00					X			
B-58A-4'	Soil	Hold -64	10/6/10	11:05		X	S	S	X			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:30
Received by: (signature) 2.4°C cs 10/6/10	Date/Time:
Paula B Clarke	10/6/10 2:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 Day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

1050178

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

Company Name: ATC Associates Inc.
Address: 290 Roberts St
East Hartford CT
Attention: EL Fennell
Project Location: Ellis Tech
Sampled By: Ellis Tech

Telephone:( )
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☐EMAIL ☐WEBSITE CLIENT
Fax # :
Email:
Format: ☐ EXCEL ☐ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	PCBs 8082 Soil/Liq	# of containers	**Preservation	~Cont.Code
B-59-1'	Run	-65	10-6-10	11:10		X	S	L	X			
B-59A-4'	Hold	-66		11:15		X			X			
B-60-1'	Hold	-67		11:20		X			X			
B-60A-4'	Hold	-68		11:25		X			X			
B-61-1'	Run	-69		11:30		X			X			
B-61A-4'	Hold	-70		11:35		X			X			
B-62-1'	Hold	-71		11:40		X			X			
B-62A-4'	Hold	-72	↓	11:45		✓	↓	↓	✓			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2.4°c OK 10/6/10	Date/Time:
Paula Blokzijl	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

105 0178

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

Company Name: XTE Associates
Address: 290 Roberts ST
E. Hartford CT 06108
Attention: E. Fennell
Project Location: Ellis Tech
Sampled By: N.D & A.J.

Telephone: (860) 282-9924
Project #
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax #:
Email: Edward.Fennell@XTEAssociates.com
Format: ☒ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER

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

Field ID	Sample Description	Lab #	Date Sampled Start Date/Time	Date Sampled Stop Date/Time	Comp-osite	Grab	*Matrix Code	Conc. Code	HCl	G	8082 - Soxhlet PCB by	# of containers
B-63-1'	Soil / Run	-73	10/6/10	10:50		X	S	U			X	
B-63A-4'	Hold	-74		11:55							X	
B-64-1'	Hold	-75		12:00							X	
B-64A-4'	Hold	-76		12:05							X	
B-65-1'	Run	-77		12:10							X	
B-65A-4'	Hold	-78		12:15							X	
B-66-1'	Hold	-79		12:20							X	
B-66A-4'	Soil / Hold	-80	10/6/10	12:25		X	S	U			X	

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) 2-4 hr SS	Date/Time:
Paula Blakeslee 10/6/10	10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

10J0178

Company Name: ATC
Address: 240 Roberts St
E. Hartford CT
Attention: Ed Farwell
Project Location: Ellis Tech
Sampled By: AJ MD

Telephone:
Project #
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email:
Format: ○ PDF ○ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs 8082 Soil/Lf	# of Containers	** Preservation	***Container Code
									10	1	G
-81	B-C7-1' Rush	10-6-10	12:27		X	S	G	X			
-82	B-C7A-4' Hold		12:29		X			X			
-83	B-C8-1' Hold		12:31		X			X			
-84	B-C8A-4' Hold		12:33		X			X			
-85	B-C9-1' Rush		12:35		X			X			
-86	B-C9A-4' Hold		12:37		X			X			
-87	B-70-1' Hold		12:39		X			X			
-88	B-70A-4' Hold		12:41		X			X			
-89	B-71-1' Rush		12:43		X			X			
-90	B-71A-4' Hold	↓	12:45		X	↓	↓	X			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) Paula Blakesmore 2.42 2.68	Date/Time: 10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
☐ 7-Day
☒ 10-Day
Other 3 day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: GA RCP
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

1050178

Page 12 of 14

Company Name: AR Associates
Address: 200 Roberts ST E. Hartford, CT 06108
Attention: E. Fennell
Project Location: Ellis Tech
Sampled By: M.D & A.J.
Telephone: 860-282-9984
Project #
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ○ WEBSITE
Fax #
Email: Edward.fennell@ARassociates.net
Format: ◉ PDF ○ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCB by 8082 Soxhlet										# of Containers	** Preservation	***Container Code	Dissolved Metals (○ Field Filtered ○ Lab to Filter)
-91	B-72-1' Hold	10/6/10	12:50		X	S	U	X													
-92	B-72A-4' Hold		12:55																		
-93	B-73-1' Run		1:00																		
-94	B-73A-4' Hold		1:02																		
-95	B-74-1' Hold		1:04																		
-96	B-75-1' Run		1:08																		
-97	B-75A-4' Hold		1:10																		
-98	B-76-1' Hold		1:12																		
-99	B-76A-4' Hold	↓	1:14		↓	↓	↓	↓													
-AA -100	B-74A-4' Hold	10/6/10	1:06		X	S	U	X													

ANALYSIS REQUESTED

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

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

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

Comments:

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

Relinquished by: (signature)	Date/Time: 10/6/10 2:28
Received by: (signature) 2.4°C 10/6/10	Date/Time: 10/6/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 3-day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: RSL RCP GA
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

1050178

Company Name: ATC Associates Inc
Address: 290 Roberts ST
E. Hartford CT
Attention: Ed Farrell
Project Location: Ellis Tech
Sampled By: ASMD

Telephone:
Project #
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email:
Format: ○ PDF ○ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs 8082 Soil, Lt	
AB - 101	B-77-1' Run	10.6.10	1:16		X	S	4	X	
AC - 102	B-77A-4' Hold		1:18					X	
AD - 103	B-78-1' Hold		1:20					X	
AE - 104	B-78A-4' Hold		1:22					X	
AF - 105	B-79-1' Run		1:24					X	
AG - 106	B-79A-4' Hold		1:26					X	
AH - 107	B-80-1' Hold		1:28					X	
AI - 108	B-80A-4' Hold		1:30					X	
AJ - 109	B-81-1' Run		1:32					X	
AK - 110	B-81A-4' Hold	↓	1:34		↓	↓	↓	X	

ANALYSIS REQUESTED

# of Containers	1
** Preservation	I
***Container Code	G

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

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

Relinquished by: (signature)	Date/Time:
	10/6/10 2:20
Received by: (signature) Paula Blakeborough 2-VE COC 10/7/10	Date/Time: 10/7/10 2:20
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 3 Day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
! Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut: GA RCP
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
☒ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

10J0178

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

Company Name: AR Assoc. ATB
Address: 296 Roberts St
E. Hartford CT 06108
Attention: E. Fennell
Project Location: Ellis Tech
Sampled By: M.D. & A.J.

Telephone: (860) 282-9920
Project #
Client PO #

DATA DELIVERY (check one):
☐FAX ☒EMAIL ☐WEBSITE CLIENT
Fax #:
Email: Edward.Fennell@ARAssociates.com
Format: ☒EXCEL ☒PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

PID by 8082 - Soxhlet

Field ID	Sample Description	Lab #	Date Sampled: Start Date/Time	Date Sampled: Stop Date/Time	Composite	Grab	*Matrix Code	Conc. Code	# of containers	**Preservation	~Cont.Code
B-82-1'	Soil Hold	-111 AL	10/6/10	1:36		X	S	U			
B-82A-4'	Hold	-112 AM		1:38							
B-83-1'	Run	-113 AN		1:40							
B-83A-4'	Hold	-114 AO		1:42							
B-84-1'	Hold	-115 AP		1:44							
B-84A-4'	Hold	-116 AQ		1:46							
B-85-1'	Run	-117 AR		1:48							
B-85A-4'	Hold	-118 AS		1:50							
B-86-1'	Hold	-119 AT		1:52							
B-86A-4'	Hold	-120 AU		1:54							
B-87-1' Soil	Hold	-121 AV	10/6/10	1:56		X	S	U			

ANALYSIS REQUESTED

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

Client Comments:

Laboratory Comments:

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

Relinquished by: (signature)	Date/Time: 10/6/10 2:20	
Received by: (signature) Laura Blakeborough	Date/Time: 10/6/10 2:20	2.4°C ice
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Turnaround **
☐ 7-Day
☐ 10-Day
☒ Other 3 day
RUSH *
☐ *24-Hr ☐ *48-Hr
☐ *72-Hr ☐ *4-Day
* Require lab approval

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

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

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

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

AIHA, NELAC & WBE/DBE Certified

www.contestlabs.com

con-test ANALYTICAL LABORATORY

Sample Receipt Checklist

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

CLIENT NAME: ATC Associates RECEIVED BY: GB DATE: 10/6/10

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.4°C

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

Who was notified _____ Date _____ Time _____

6) Are there any samples "On Hold"? (Yes) No Stored where: 19

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	120
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____

Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A) _____

June 2010

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: ATC Associates - Connecticut

Project Location: Ellis Tech

Project Number: 10J0592

Laboratory Sample ID(s):

10J0592-01 thru 10J0592-02

Sample Date(s):

10/06/2010

List RCP Methods Used:

SW-846 1312, SW-846 8082

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

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

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

Authorized Signature:  **Position:** Laboratory Manager

Printed Name: Daren J. Damboragian **Date:** 10/22/10

Name of Laboratory: Con-Test Analytical Laboratory

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

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

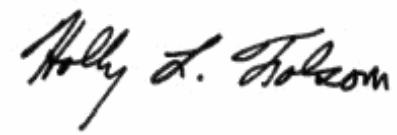
November 4, 2010

Ed Fennell
ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108

Project Location: H.H. Ellis THS - Danielson, CT
Client Job Number:
Project Number: 61.22573.0015 T45
Laboratory Work Order Number: 10K0082

Enclosed are results of analyses for samples received by the laboratory on November 3, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Holly L. Folsom
Project Manager

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

ATC Associates - Connecticut
290 Roberts St., Suite 301
East Hartford, CT 06108
ATTN: Ed Fennell

REPORT DATE: 11/4/2010

PURCHASE ORDER NUMBER: 10-061-0004

PROJECT NUMBER: 61.22573.0015 T45

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10K0082

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: H.H. Ellis THS - Danielson, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
S1	10K0082-01	Concrete	Room 115 CMV Block	SW-846 8082	
S2	10K0082-02	Concrete	Room 118 CMV Block	SW-846 8082	
S3	10K0082-03	Concrete	Room 121 CMV Block	SW-846 8082	
S4	10K0082-04	Concrete	Room 120 CMV Block	SW-846 8082	
S5	10K0082-05	Concrete	Room 211 CMV Block	SW-846 8082	
S6	10K0082-06	Concrete	Room 212 CMV Block	SW-846 8082	
S7	10K0082-07	Brick	Corr o/s 219 Exterior Brick	SW-846 8082	
S8	10K0082-08	Concrete	Corr o/s 219 Exterior Slab	SW-846 8082	
S9	10K0082-09	Brick	Corr 221 Exterior Brick	SW-846 8082	
S10	10K0082-10	Concrete	Corr 221 Interior CMV	SW-846 8082	
S11	10K0082-11	Brick	Room 222 Exterior Brick	SW-846 8082	
S12	10K0082-12	Concrete	Room 222 Exterior Concrete Sill	SW-846 8082	

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082

Qualifications:

Matrix spike and spike duplicate recovery bias high due to contribution of other Aroclors present in source sample.

Analyte & Samples(s) Qualified:

Aroclor-1016, Aroclor-1016 [2C]
B021716-MS1, B021716-MSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: H.H. Ellis THS - Danielson, CT Sample Description: Room 115 CMV Block Work Order: 10K0082

Date Received: 11/3/2010

Field Sample #: S1 Sampled: 11/2/2010 00:00

Sample ID: 10K0082-01

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:48	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:48	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:48	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:48	JMB
Aroclor-1248 [1]	0.39	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:48	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:48	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:48	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:48	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:48	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	93.4	30-150		11/4/10 13:48
Decachlorobiphenyl [2]	91.8	30-150		11/4/10 13:48
Tetrachloro-m-xylene [1]	93.2	30-150		11/4/10 13:48
Tetrachloro-m-xylene [2]	92.4	30-150		11/4/10 13:48

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: H.H. Ellis THS - Danielson, CT Sample Description: Room 118 CMV Block Work Order: 10K0082

Date Received: 11/3/2010

Field Sample #: S2 Sampled: 11/2/2010 00:00

Sample ID: 10K0082-02

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:01	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:01	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:01	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:01	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:01	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:01	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:01	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:01	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:01	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	85.4	30-150		11/4/10 14:01
Decachlorobiphenyl [2]	82.9	30-150		11/4/10 14:01
Tetrachloro-m-xylene [1]	82.8	30-150		11/4/10 14:01
Tetrachloro-m-xylene [2]	81.2	30-150		11/4/10 14:01

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: H.H. Ellis THS - Danielson, CT Sample Description: Room 121 CMV Block Work Order: 10K0082

Date Received: 11/3/2010

Field Sample #: S3 Sampled: 11/2/2010 00:00

Sample ID: 10K0082-03

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:15	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:15	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:15	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:15	JMB
Aroclor-1248 [1]	0.22	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:15	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:15	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:15	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:15	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:15	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	97.8	30-150		11/4/10 14:15
Decachlorobiphenyl [2]	93.7	30-150		11/4/10 14:15
Tetrachloro-m-xylene [1]	102	30-150		11/4/10 14:15
Tetrachloro-m-xylene [2]	100	30-150		11/4/10 14:15

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: H.H. Ellis THS - Danielson, CT Sample Description: Room 120 CMV Block Work Order: 10K0082

Date Received: 11/3/2010

Field Sample #: S4 Sampled: 11/2/2010 00:00

Sample ID: 10K0082-04

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:20	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:20	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:20	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:20	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:20	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:20	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:20	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:20	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:20	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	106	30-150		11/4/10 13:20
Decachlorobiphenyl [2]	124	30-150		11/4/10 13:20
Tetrachloro-m-xylene [1]	109	30-150		11/4/10 13:20
Tetrachloro-m-xylene [2]	127	30-150		11/4/10 13:20

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: H.H. Ellis THS - Danielson, CT Sample Description: Room 211 CMV Block Work Order: 10K0082

Date Received: 11/3/2010

Field Sample #: S5 Sampled: 11/2/2010 00:00

Sample ID: 10K0082-05

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:35	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:35	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:35	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:35	PJG
Aroclor-1248 [2]	0.20	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:35	PJG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:35	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:35	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:35	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:35	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	106	30-150		11/4/10 13:35
Decachlorobiphenyl [2]	124	30-150		11/4/10 13:35
Tetrachloro-m-xylene [1]	107	30-150		11/4/10 13:35
Tetrachloro-m-xylene [2]	126	30-150		11/4/10 13:35

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: H.H. Ellis THS - Danielson, CT Sample Description: Room 212 CMV Block Work Order: 10K0082

Date Received: 11/3/2010

Field Sample #: S6 Sampled: 11/2/2010 00:00

Sample ID: 10K0082-06

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:49	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:49	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:49	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:49	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:49	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:49	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:49	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:49	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 13:49	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		11/4/10 13:49
Decachlorobiphenyl [2]	125	30-150		11/4/10 13:49
Tetrachloro-m-xylene [1]	107	30-150		11/4/10 13:49
Tetrachloro-m-xylene [2]	124	30-150		11/4/10 13:49

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: H.H. Ellis THS - Danielson, CT Sample Description: Corr o/s 219 Exterior Brick Work Order: 10K0082

Date Received: 11/3/2010

Field Sample #: S7 Sampled: 11/2/2010 00:00

Sample ID: 10K0082-07

Sample Matrix: Brick

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 12:13	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 12:13	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 12:13	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 12:13	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 12:13	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 12:13	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 12:13	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 12:13	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 12:13	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	117	30-150		11/4/10 12:13
Decachlorobiphenyl [2]	112	30-150		11/4/10 12:13
Tetrachloro-m-xylene [1]	114	30-150		11/4/10 12:13
Tetrachloro-m-xylene [2]	110	30-150		11/4/10 12:13

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: H.H. Ellis THS - Danielson, CT Sample Description: Corr o/s 219 Exterior Slab Work Order: 10K0082

Date Received: 11/3/2010

Field Sample #: S8 Sampled: 11/2/2010 00:00

Sample ID: 10K0082-08

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 10:57	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 10:57	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 10:57	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 10:57	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 10:57	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 10:57	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 10:57	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 10:57	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 10:57	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	112	30-150		11/4/10 10:57
Decachlorobiphenyl [2]	118	30-150		11/4/10 10:57
Tetrachloro-m-xylene [1]	112	30-150		11/4/10 10:57
Tetrachloro-m-xylene [2]	119	30-150		11/4/10 10:57

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: H.H. Ellis THS - Danielson, CT | Sample Description: Corr 221 Exterior Brick | Work Order: 10K0082

Date Received: 11/3/2010

Field Sample #: S9 | Sampled: 11/2/2010 00:00

Sample ID: 10K0082-09

Sample Matrix: Brick

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:11	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:11	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:11	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:11	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:11	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:11	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:11	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:11	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:11	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	112	30-150		11/4/10 11:11
Decachlorobiphenyl [2]	117	30-150		11/4/10 11:11
Tetrachloro-m-xylene [1]	113	30-150		11/4/10 11:11
Tetrachloro-m-xylene [2]	117	30-150		11/4/10 11:11

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: H.H. Ellis THS - Danielson, CT Sample Description: Corr 221 Interior CMV Work Order: 10K0082

Date Received: 11/3/2010

Field Sample #: S10 Sampled: 11/2/2010 00:00

Sample ID: 10K0082-10

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:03	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:03	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:03	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:03	PJG
Aroclor-1248 [1]	0.14	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:03	PJG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:03	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:03	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:03	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 14:03	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	112	30-150		11/4/10 14:03
Decachlorobiphenyl [2]	132	30-150		11/4/10 14:03
Tetrachloro-m-xylene [1]	111	30-150		11/4/10 14:03
Tetrachloro-m-xylene [2]	129	30-150		11/4/10 14:03

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: H.H. Ellis THS - Danielson, CT Sample Description: Room 222 Exterior Brick Work Order: 10K0082

Date Received: 11/3/2010

Field Sample #: S11 Sampled: 11/2/2010 00:00

Sample ID: 10K0082-11

Sample Matrix: Brick

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:40	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:40	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:40	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:40	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:40	PJG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:40	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:40	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:40	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:40	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		11/4/10 11:40
Decachlorobiphenyl [2]	107	30-150		11/4/10 11:40
Tetrachloro-m-xylene [1]	105	30-150		11/4/10 11:40
Tetrachloro-m-xylene [2]	108	30-150		11/4/10 11:40

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: H.H. Ellis THS - Danielson, CT Sample Description: Room 222 Exterior Concrete Sill Work Order: 10K0082

Date Received: 11/3/2010

Field Sample #: S12 Sampled: 11/2/2010 00:00

Sample ID: 10K0082-12

Sample Matrix: Concrete

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:54	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:54	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:54	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:54	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:54	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:54	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:54	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:54	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082	11/3/10	11/4/10 11:54	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		11/4/10 11:54
Decachlorobiphenyl [2]	108	30-150		11/4/10 11:54
Tetrachloro-m-xylene [1]	104	30-150		11/4/10 11:54
Tetrachloro-m-xylene [2]	106	30-150		11/4/10 11:54

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

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
10K0082-01 [S1]	B021716	2.00	10.0	11/03/10
10K0082-02 [S2]	B021716	2.00	10.0	11/03/10
10K0082-03 [S3]	B021716	2.00	10.0	11/03/10
10K0082-04 [S4]	B021716	2.00	10.0	11/03/10
10K0082-05 [S5]	B021716	2.10	10.0	11/03/10
10K0082-06 [S6]	B021716	2.00	10.0	11/03/10
10K0082-07 [S7]	B021716	2.00	10.0	11/03/10
10K0082-08 [S8]	B021716	2.00	10.0	11/03/10
10K0082-09 [S9]	B021716	2.00	10.0	11/03/10
10K0082-10 [S10]	B021716	2.10	10.0	11/03/10
10K0082-11 [S11]	B021716	2.10	10.0	11/03/10
10K0082-12 [S12]	B021716	2.20	10.0	11/03/10

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B021716 - SW-846 3540C										
Blank (B021716-BLK1)				Prepared: 11/03/10 Analyzed: 11/04/10						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.989*		mg/Kg	1.00		98.9	30-150			
Surrogate: Tetrachloro-m-xylene	*1.13*		mg/Kg	1.00		113	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.11*		mg/Kg	1.00		111	30-150			
LCS (B021716-BS1)				Prepared: 11/03/10 Analyzed: 11/04/10						
Aroclor-1016	0.27	0.10	mg/Kg	0.250		108	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		105	40-140			
Surrogate: Decachlorobiphenyl	*1.10*		mg/Kg	1.00		110	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.05*		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*1.12*		mg/Kg	1.00		112	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.08*		mg/Kg	1.00		108	30-150			
LCS Dup (B021716-BSD1)				Prepared: 11/03/10 Analyzed: 11/04/10						
Aroclor-1016	0.26	0.10	mg/Kg	0.250		105	40-140	3.42	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		101	40-140	5.04	30	
Aroclor-1260	0.27	0.10	mg/Kg	0.250		106	40-140	3.37	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140	1.92	30	
Surrogate: Decachlorobiphenyl	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	*1.13*		mg/Kg	1.00		113	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.09*		mg/Kg	1.00		109	30-150			

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B021716 - SW-846 3540C											
Matrix Spike (B021716-MS1)	**Source: 10K0082-01**			Prepared: 11/03/10 Analyzed: 11/04/10							
Aroclor-1016	1.2	0.10	mg/Kg	0.250	0.0	**480**	*	40-140			MS-21
Aroclor-1016 [2C]	2.7	0.10	mg/Kg	0.250	0.0	**1070**	*	40-140			MS-21
Aroclor-1260	0.27	0.10	mg/Kg	0.250	0.0	108		40-140			
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250	0.0	107		40-140			
Surrogate: Decachlorobiphenyl	*1.01*		mg/Kg	1.00		101		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.09*		mg/Kg	1.00		109		30-150			
Surrogate: Tetrachloro-m-xylene	*1.04*		mg/Kg	1.00		104		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.09*		mg/Kg	1.00		109		30-150			
Matrix Spike Dup (B021716-MSD1)	**Source: 10K0082-01**			Prepared: 11/03/10 Analyzed: 11/04/10							
Aroclor-1016	1.3	0.10	mg/Kg	0.250	0.0	**502**	*	40-140	4.47	50	MS-21
Aroclor-1016 [2C]	2.8	0.10	mg/Kg	0.250	0.0	**1130**	*	40-140	5.93	50	MS-21
Aroclor-1260	0.27	0.10	mg/Kg	0.250	0.0	108		40-140	0.723	50	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250	0.0	114		40-140	6.08	50	
Surrogate: Decachlorobiphenyl	*1.00*		mg/Kg	1.00		100		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.07*		mg/Kg	1.00		107		30-150			
Surrogate: Tetrachloro-m-xylene	*1.03*		mg/Kg	1.00		103		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.04*		mg/Kg	1.00		104		30-150			

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
MS-21	Matrix spike and spike duplicate recovery bias high due to contribution of other Aroclors present in source sample.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082 in Product/Solid	
Aroclor-1016	CT,NH,NY
Aroclor-1016 [2C]	CT,NH,NY
Aroclor-1221	CT,NH,NY
Aroclor-1221 [2C]	CT,NH,NY
Aroclor-1232	CT,NH,NY
Aroclor-1232 [2C]	CT,NH,NY
Aroclor-1242	CT,NH,NY
Aroclor-1242 [2C]	CT,NH,NY
Aroclor-1248	CT,NH,NY
Aroclor-1248 [2C]	CT,NH,NY
Aroclor-1254	CT,NH,NY
Aroclor-1254 [2C]	CT,NH,NY
Aroclor-1260	CT,NH,NY
Aroclor-1260 [2C]	CT,NH,NY

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2011
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2011
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2011
FL	Florida Department of Health	E871027 NELAP	06/30/2011
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2011
WA	State of Washington Department of Ecology	C2065	02/23/2011

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

10K 0082

Company Name: ATC Associates, Inc.
Address: 290 Roberts St. - Ste 301
E. Hartford CT 06108
Attention: Ed Fennell
Project Location: H.H. Ellis THS - Danielson, CT
Sampled By: Matt Molnar / Scott Johnson

Telephone: (860) 282-9924
Project # 61.22573.0015 T45
Client PO#

DATA DELIVERY (check all that apply)
☑ FAX ☑ EMAIL ☑ WEBSITE
Fax # (860) 282-9826
Email: edward.fennell@atcassociates.com
Format: ☑ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

ANALYSIS REQUESTED

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs 8082 w/ Soxhlet	10	11	12	# of Containe	** Preservati	***Container
-01	S1 - Room 115 CMV Block	11/02/10	11/02/10			S		✓						
02	S2 - Room 118 CMV Block	↓	↓			↓		↓						
03	S3 - Room 121 CMV Block													
04	S4 - Room 126 CMV Block													
05	S5 - Room 211 CMV Block													
06	S6 - Room 212 CMV Block													
07	S7 - Corr. o/s 219 Exterior Brick													
08	S8 - Corr. o/s 219 Exterior Slab													
09	S9 - Corr. 221 Exterior Brick													
10	S10 - Corr. 221 Interior CMV	↓	↓			↓		↓						

Comments:

Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

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

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

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

Dissolved Metals
○ Field Filtered
○ Lab to Filter

Relinquished by: (signature)	Date/Time:
Matt Molnar	11/03/10 - 1119
Received by: (signature)	Date/Time:
Allen Frankowski	11/3/10 11:19
Relinquished by: (signature) 5.3°C	Date/Time:
Received by: (signature)	Date/Time:

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

10K0082

Page 2 of 2

Company Name: ATC Associates, Inc.
Address: 290 Roberts St. - Ste 301
E. Hartford, CT 06108
Attention: Ed Fennell
Project Location: H.H. Ellis THS - Danielson CT
Sampled By: Mark Maher / Scott Johnson

Telephone: (860) 282-9924
Project # 61.22573.0015 T45
Client PO#

DATA DELIVERY (check all that apply)
☑ FAX ☑ EMAIL ☑ WEBSITE
Fax # (860) 282-9826
Email: edward.fennell@atcassociates.com
Format: ☑ PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs 8082 w/ Soxhlet	# of Containers	** Preservative	***Container Code
-11	S11 - Room 222 Exterior Brick	11/02/10	11/02/10			S		✓			
12	S12 - Room 222 Exterior Concrete Sill	↓	↓			↓		↓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

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

Relinquished by: (signature)	Date/Time:
Matt Mahr	11/03/10 - 11:19
Received by: (signature)	Date/Time:
Alan Leinkowski	11/3/10 11:19
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

Is your project MCP or RCP ?
○ MCP Analytical Certification Form Required
○ RCP Analysis Certification Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

www.contestlabs.com

con-test ANALYTICAL LABORATORY

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

Sample Receipt Checklist

CLIENT NAME: ATC - CT RECEIVED BY: AP DATE: 11/3/10

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

2) Does the chain agree with the samples? (Yes) No
If not, explain:

3) Are all the samples in good condition? (Yes) No
If not, explain:

4) How were the samples received:
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.3°C

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

Who was notified _____ Date _____ Time _____

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

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: Login

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

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	12
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		SOC Kit	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Non-ConTest Container	
Flashpoint bottle		Other	
Encore		PM 2.5 / PM 10	
Perchlorate Kit		PUF Cartridge	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____
Bisulfate _____ # DI Water _____
Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

Do all samples have the proper Acid pH: Yes No (N/A) _____

Do all samples have the proper Base pH: Yes No (N/A) _____

APPENDIX C

Public Communication Procedure

HARVARD. H. ELLIS TECHNICAL HIGH SCHOOL
613 UPPER MAPLE STREET
DANIELSON, CONNECTICUT

BRIAN MIGNAULT
PRINCIPAL

Date

Notification to Parents, Teachers and Employee Organizations

Harvard H. Ellis Technical High School will commence a demolition and renovation program starting on [insert date]. During this program there will be the removal of asbestos and PCB containing building materials identified at the school.

The asbestos and PCB abatement programs were authorized by the state of Connecticut Department of Public Health (CTDPH) and Environmental Protection (CTDEP) after careful planning and thorough review.

It is anticipated that staff and students will occupy Harvard H. Ellis Technical High School during removal and abatement activities. To prevent exposure of these persons to contaminated dust, Control Areas will be established by placing barriers with signs indicating that access to the area is restricted outside of the Regulated/Containment Areas. Only properly trained personnel associated with removal and abatement actions will be allowed within established Control Areas. 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 removal and handling of PCB contaminated materials, *insert contractor name here*. Asbestos and PCB abatement work will be monitored continuously by ATC Associates Inc., an independent environmental consultant hired by the State to conduct air testing during asbestos and PCB abatement activities.

As required by CTDPH and CTDEP, this notification is being sent to parents, teachers, and employee organizations at Harvard H. Ellis Technical High School. Any questions about the project may be directed to Mr. Brian Mignault, Principal, Harvard H. Ellis Technical High School at (860) 774-8511 or brian.mignault@po.state.ct.us.

We appreciate your patience and understanding during this process.

Sincerely,

Brian Mignault

(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:	ATC Associates Inc. 290 Roberts Street, Suite 301 East Hartford, CT 06108 860-282-9924
Asbestos Abatement Contractor:	To Be Determined Street Address City, State, Zip Code Contact Number
Local Education Agency	Connecticut Department of Education 25 Industrial Park Road Middletown, CT 06457 860-807-2233

cc: Alexander Richmond, Connecticut Department of Education
John Woodmansee, Connecticut Department of Education, Local Education Agency
Fred Connolly, Connecticut Department of Public Works
Jeff Bolton, Connecticut Department of Public Works
Edward P. Fennell Jr., ATC Associates Inc., Environmental Consultant

APPENDIX D

Engineering Control Descriptions

ENGINEERING CONTROL DESCRIPTIONS

Demarcate the work area and post signage at a distance to keep unauthorized workers and visitors out of the work area. A tool drop zone and personal decontamination facility will be established contiguous to the work zone. A clean zone will be established along with waste stream pathways.

Establish a decontamination unit for workers to properly don and doff protective equipment and decontaminate when entering and leaving the work zone. Decontamination of personnel and equipment is required after performance of activities where PCB containing material is handled. The personnel decontamination area may be in the form of a mobile trailer or field station. Personnel decontamination shall, at a minimum, consist of: decontamination before breaks and each time workers exit the exclusion zone, and at the completion of each work day to prevent worker exposure and the spread of contaminants off Site.

Inspect area for sealant debris. All sealant debris shall be gathered and managed as Excluded PCB Product Waste.

Construct temporary containments to capture falling caulk, glazing, backer rod and associated debris. Polyethylene drop cloths will be utilized to capture any falling materials. The drop cloths will be placed beneath each active PCB-containing material removal area. Additional polyethylene sheeting will be used as required to capture PCB-containing material debris from the sides of the work areas. The drop cloth shall be inspected at least daily when area is being actively worked and all materials captured shall be removed and placed in appropriate waste storage container.

All openings into the building shall be sealed on the building interior with polyethylene sheeting and duct tape to isolate the work area from the building interior.

Do not proceed with caulk removal if contaminants are capable of being airborne due to high winds.

Satisfactorily wet all caulk, glazing, backer rod, masonry and debris being remediated in accordance with NESHAP requirements. Wetting shall be limited so as to the amount required to control dust and shall not lead to the free flow of water from the work area. Sorbent pads shall be used to contain any excess water. All debris shall be properly collected and disposed of as Connecticut Regulated Waste and disposed of in accordance with applicable regulations.

Following abatement of PCB-containing caulk/glazing material, surfaces shall be cleaned by wet brushing (using a nylon brush), wet wiping and sponging or cleaning by an equivalent method to remove all visible material (wire brushes are not permitted). Cleaning shall include the use of HEPA filtered vacuum equipment.

All PCB containing materials shall be removed and properly containerized for disposal. No remediated material shall be allowed to be stockpiled on the ground. All remediated material must be properly containerized and placed in a designated storage area on-Site that is secured and properly labeled.

No mechanical grinding or wire wheels will be used to remove PCB Excluded Product Waste. Utilize hand tools as required to fully remove materials. Chipping with power tools will only occur after it is determined that work cannot be satisfactorily completed with hand tools. When these power tools are used, they shall be equipped with HEPA vacuum systems or other measures to control and contain dust.

After PCB Excluded Product Waste is removed, surrounds, frames, glass etc. and work area will be vacuumed with a HEPA filter equipped vacuum and then the surrounds, frames, glass, etc. double wiped with a suitable solvent (e.g. hexane) wetted rag.

Final cleaning by the Contractor shall include removal of all contaminated material, equipment or debris (including containment materials) from the work area and removal of all visible dusts located on surface.

Upon completion of the work, the Consultant shall perform a visual inspection to ensure all materials have been properly removed as per this Section.

APPENDIX E

EPA Region 1 SOP For Sampling Concrete in the Field

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: *Allan 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

Table of Contents

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.)

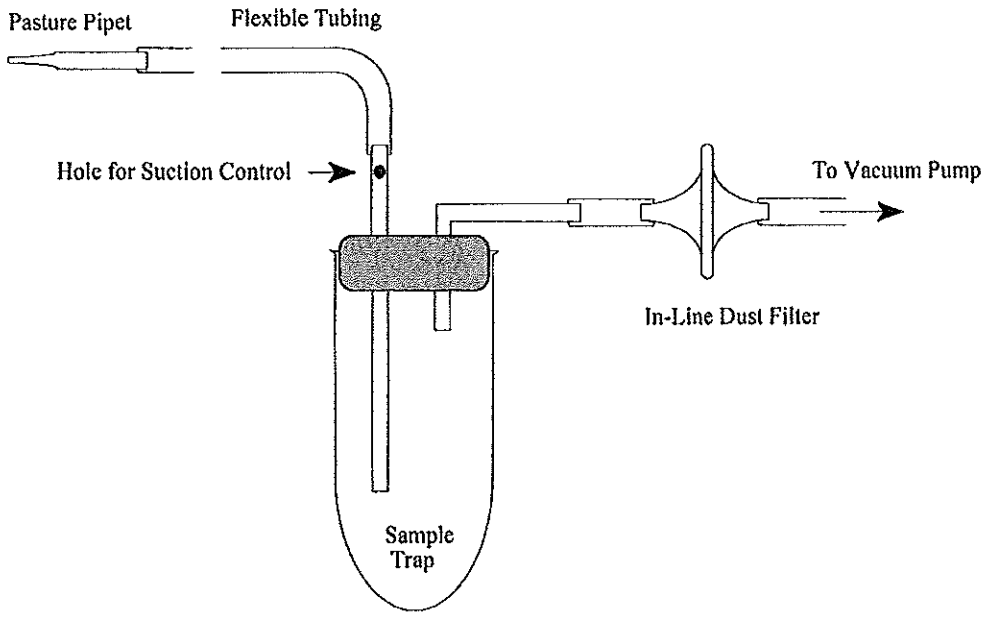
7.2 Multiple Depth Concrete Sampling

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

$$MSR = \frac{SSR - SR}{SA} \times 100$$

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

$$RPD = \frac{|MSR - MSRD|}{\frac{(MSR + MSRD)}{2}} \times 100$$

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.

APPENDIX F

TRC Report Investigative Survey PCB Containing Caulks/Glazes

REPORT

INVESTIGATIVE SURVEY
PCB CONTAINING CAULKS/GLAZES
H. H. ELLIS TECHNICAL HIGH SCHOOL
613 UPPER MAPLE STREET
DANIELSON, CONNECTICUT

Prepared for

State of Connecticut Department of Education
Connecticut Technical High School System
Middletown, Connecticut

Prepared by

TRC
Windsor, Connecticut

September 2010

INVESTIGATIVE SURVEY
PCB CONTAINING CAULKS/GLAZES
H. H. ELLIS TECHNICAL HIGH SCHOOL
613 UPPER MAPLE STREET
DANIELSON, CONNECTICUT

Prepared for

State of Connecticut Department of Education
Connecticut Technical High School System
Middletown, Connecticut

Prepared by

TRC
Windsor, Connecticut

Erik R. Plimpton, P.E., CHMM
Program Manager

TRC Project No. 173781.0001.0000
September 2010

TRC
21 Griffin Road North
Windsor, Connecticut 06095
Telephone (860) 298-9692
Facsimile (860) 298-6399

TABLE OF CONTENTS

EXECUTIVE SUMMARY

On December 28-29, 2009, February 6, 2010, and March 6, 2010 TRC of Windsor, Connecticut conducted a preliminary investigative survey for polychlorinated biphenyl (PCB) presence at the H. H. Ellis Technical High School, located at 613 Upper Maple Street in Danielson, Connecticut. The investigation was initiated at the request of the Connecticut Technical High School System (CTHSS), following the EPA's publication of preliminary guidance on managing PCB caulk in schools in September 2009, in an effort to proactively protect the health and safety of the Technical High School System's students and staff from potential PCB exposure. The scope and strategy of the inspection was devised with ongoing consultation between CTHSS, TRC and EPA, and did not include building spaces/wings constructed or completely renovated post 1980 (after the federal ban on the use of PCB in 1979). Bulk sampling of interior/exterior caulks/glazes was conducted, with the focus of the investigation borne upon the building envelope spaces (exterior walls, expansion joints, doors, windows, etc), and the general locations of the differing types of caulks/glazes was noted. After receiving laboratory results on the bulk samples, a targeted program of both interior surface dust sampling and indoor air sampling was conducted. Neither soil nor building substrate sampling were included as part of the initial investigative program.

TRC conducted the bulk caulk/glaze inspection, generally modeling the inspection protocols after the EPA AHERA asbestos inspection protocols. A visual assessment of the areas was performed to identify differing caulks/glazes present, and a single grab bulk sample of each type of homogeneous caulk/glaze identified was collected, with samples collected down to the substrate/backer to ensure no evidence of prior older caulk/glaze was present, therefore verifying the samples collected represented a distinct homogeneous material. Following sample collection, replacement caulking material was installed to seal the sample location. Samples were submitted following chain of custody procedures to Complete Environmental Testing, Inc. in Stratford, Connecticut for analysis via EPA Methods 3540C/8082 (PCB Arochlor with Soxhlet Extraction). Analytical results indicated no caulks/glazes defined as EPA PCB Bulk Products ($\geq$50ppm) were present; however, some caulks/glazes subject to regulation by the CTDEP (>1ppm <50ppm) were present. Detailed results

Samples were collected at a rate of at least one per 25,000 square feet of building space/floor area, spaced representatively throughout the building to cover each floor, each wing, separate HVAC system, and represent the various types of room spaces (gym, cafeteria, offices, classrooms, shops, hallways, etc.). Sample locations were also biased with a targeted strategy toward the areas/rooms which contained the greatest caulk/glaze PCB source strength, and included an air sample from each room where dust wipe sampling was conducted for comparative/correlation purposes. Sampling media consisted of laboratory prepared 20mm glass cartridges filled with polyurethane foam (PUF) sorbent, and samples were collected from breathing zone elevations (3' – 6' above floor level) following the collection protocols outlined in EPA Method TO-10A. Sampling flow rates were calibrated pre and post sampling using a field rotameter calibrated from a primary standard, with a maximum flow rate of 5 liters per minute and a minimum sampling time of 4 hours, resulting in a minimum sample volume of 1200 liters. One field blank, one blind spike, one duplicate, and one ambient outdoor sample were also collected for quality control (QC) purposes. Collected samples were submitted following chain of custody procedures to Northeast Analytical Labs in Schenectady, New York for analysis via EPA Methods 3540C/680 (PCB Homolog with Soxhlet Extraction). Analytical results indicated no detectable levels of PCB in any of the indoor air samples collected (well below the EPA September 2009 guidance level of 450ng/m^3 for students/staff in high schools). Detailed results of the indoor air sampling can be found in Table 2 and Appendix C.

Results of the preliminary investigation for PCB presence identified:

- No caulks/glazings defined as EPA PCB Bulk Product (≥50ppm)
- Caulks/glazings regulated by the CTDEP (>1ppm<50ppm) present
- No evidence of elevated PCB contamination in interior surface dust above the EPA/DEP school guidance criteria (1ug/100cm^2)
- No evidence of elevated PCB airborne concentrations in the indoor air above the EPA guidance criteria for students/staff in high schools (450ng/m^3)
- Potential to consider soil and substrate sampling for PCB presence

EPA and/or CTDEP regulated caulks/glazes and associated media should be managed in accordance with current industry guidance and the EPA (40 CFR 761) and CTDEP (22a-463 through 469 & 22a-133k-1 through 3) PCB regulations.

PROJECT OUTLINE

Client:	Connecticut Department of Education Connecticut Technical High School System
Contract No.:	CTDAS 08PSX0202
Purchase Order No.:	53872
Project Location:	H.H. Ellis Technical High School 613 Upper Maple Street Danielson, Connecticut
TRC Project No.:	173781.0001.0000
TRC Inspectors:	Gregory Kaczynski Elise Barrieau Hilton Hernandez
Dates of Inspection:	12/28-29/09, 2/6/10 & 3/6/10

EPA PCB Bulk Product (>50ppm):	No
CTDEP regulated PCB Material (>1<50ppm):	**Yes**
PCB Dust Wipe > EPA/DEP guidance (>1ug/100cm^2):	No
PCB Air > EPA guidance (>450ng/m^3):	No

Notes:

Investigation did not include building spaces/wings constructed post 1980 (after the federal ban on the use of PCB in 1979). Bulk inspection scope included interior and exterior building envelope spaces (exterior walls, expansion joints, windows, doors, etc.), sampling of each homogeneous caulk/glaze identified, and identifying general locations for each homogeneous caulk/glaze sampled. Dust wipe inspection scope included targeted sampling from areas with higher PCB content caulk/glaze present and from areas with higher potential for exposure via ingestion (cafeteria, break room). Air sampling scope included sampling from representative floors/building spaces following LEED Indoor Environmental Quality (IEQ) sampling strategies, with a bias toward areas with higher PCB content caulk/glaze present. Based on results of the preliminary investigation, sampling soil and building substrates for PCB presence may be warranted.

TABLES

TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING CAULKS/GLAZES
ELLIS TECH
DANIELSON, CONNECTICUT

Sample No.	Homogeneous Material Type	General Location	Total PCB (ppm)
C1	Exterior hard gray bldg caulk (older)	Room 200,205,206,212,223,302,303,304,306,307-windows, gym-windows	0.62
DWG1	Exterior black putty door window glaze (large, single pane)	Main entrance	ND<0.5
C2	Exterior white rubbery door frame caulk	Main entrance, On A/C units outside room 115-124, 205-212	ND<0.5
C3	Exterior light gray putty window caulk	Where metal frames intersect brick on windows outside Rooms 115-124, 205-212, main office area, aircraft 301, main office area, hallway next to 206	ND<0.5
WG1	Exterior/Interior hard gray window glaze	Windows in Rooms 115-124, main office area,200,205-212, 301, hallway next to 206	1.1
C4	Exterior beige rubbery caulk	Around metal panel below windows outside Rooms 115-124, main office area,200,205-212, 301, hallway next to 206, Windows in hallway between room 200 and 218	1.2
C5	Exterior gray rubbery sticky caulk	Around emergency windows outside Rooms 115-124,205-212,	0.9
C7	Exterior gray slightly rubbery building caulk	Building joints outside Rooms 115,117, 126 exit121,201,202	ND<0.5
DWG2	Exterior black putty door window glaze (Single panel metal mesh window)	Exterior exit doors next to room 223 and 310	0.65
C11	Exterior hard gray/tan putty caulk	Lower level boiler-windows/vents/door, room 301-interior/exterior windows & doors, north and south end of aircraft 301-doors	0.70
C12	Exterior brown rubbery caulk	Interior/exterior of doors and windows of exit doors next to room 301	9.3
C13	Exterior light gray caulk	Room 301 windows, north end aircraft 301-doors	2.9
C14	Exterior cream rubbery bldg caulk	Aircraft 301-doors, vents and joints, aircraft 301 extension-doors, room 306-wall joints	0.5
DWG4	Exterior gray hard garage door window glaze (10 pane/door)	Garage door on north end of Aircraft 301	ND<0.5
C15	Interior/exterior maroon rubbery window caulk	Windows/metal panels – Aircraft 301 extension, room 306	ND<0.5
WG3	Interior/exterior gray brittle window glaze	Windows/metal panels – Aircraft 301 extension, room 306	ND<0.5
WG4	Exterior hard gray window glaze	Windows on large bay door - Aircraft 301 extension	ND<0.5
C16	Exterior yellow/cream door caulk	Around metal panels & windows of large garage bay door - Aircraft 301 extension	ND<0.5

PCB caulk/glaze $\geq$ 50 ppm is defined as PCB Bulk Product Waste under EPA 40 CFR 761.62
ND< = Not-Detected, Less Than
All samples analyzed via EPA 8082 Method with EPA Method 3540 extraction

TABLE 1 BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING CAULKS/GLAZES ELLIS TECH DANIELSON, CONNECTICUT			
WG5	Interior/exterior white/cream window glaze	Lower metal windows in room 223, 224,302,303,304,306,307 and gym	ND<0.5
C17	Exterior white soft vent caulk	Room 318-vent	ND<0.5
C21	Exterior black rubbery caulk	Windows in hallway between room 200 and 218	12
C22	Exterior white rubbery roof building caulk	Roof-above gym and room 304 area	ND<0.5
FL1	Exterior black flashing tar (caulk)	Roof-elevated gym windows along sill	ND<0.5
C23	Exterior white powdery non-flexible caulk	Roof-elevated gym windows	ND<0.5
C24	Interior tan hard window caulk	Where metal frames intersect brick on windows inside Rooms 115-124, 205-212, main office area, aircraft 301, main office area, hallway next to 206	3.9
C25	Interior hard gray brittle caulk	Metal panels between seams (interior side of windows with C4) (Around metal panel below windows inside Rooms 115-124, main office area,200,205-212, 301, hallway next to 206, Windows in hallway between room 200 and 218)	7.0
WG6	Interior black putty replacement window glaze	An occasional window in these general areas: Room 116-121, 301	0.54
C26	Interior/exterior gray seam caulk	In-between metal frame seams of WG5 windows (Lower metal windows in room 223, 224,302,303,304,306,307 and gym)	1.37

PCB caulk/glaze ≥ 50 ppm is defined as PCB Bulk Product Waste under EPA 40 CFR 761.62
ND< = Not-Detected, Less Than
All samples analyzed via EPA 8082 Method with EPA Method 3540 extraction

Ellis Technical High School

Wipes

2/6/2010	DD-21	DD-22	DD-23	DD-24	DD-25	DD-26	DD-27	DD-28	DD-29	DD-30	DD-31	DD-32	DD-33	DD-34	DD-35	DD-36				
ug/100cm2	café 215 table	café 215 sill	teacher lounge 217 table	teacher lounge 217 sill	aircraft hanger 301 table	aircraft hanger 301 sill	hairdressing 212 table	hairdressing 212 table (Dup)	hairdressing 212 sill	main office 203 counter	main office 203 sill	library 119 table	library 119 sill	room 135 desk	room 125 sill	field blank				
Aroclor-1016																				
Aroclor-1221																				
Aroclor-1232																				
Aroclor-1242	1.9	1.2	1.3	1.1	1.8	1.4	2.4	1.9	2	1.8	2.3	1.7	1.7	1.4	1.4	1.1				
Aroclor-1248																				
Aroclor-1254																				
Aroclor-1260																				
Aroclor-1262																				
Aroclor-1268																				
PCB Total	1.9	1.2	1.3	1.1	1.8	1.4	2.4	1.9	2	1.8	2.3	1.7	1.7	1.4	1.4	1.1				
RL	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2				

3/6/2010	DD-01	DD-02	DD-03	DD-04	DD-05	DD-06	DD-07	DD-08	DD-09	DD-10	DD-11	DD-12	DD-13	DD-14	DD-15	DD-16				
ug/100cm2	café 215 table	café 215 sill	teacher lounge 217 table	teacher lounge 217 sill	aircraft hanger 301 table	aircraft hanger 301 sill	hairdressing 212 table	hairdressing 212 sill	hairdressing 212 table (duplicate)	main office 203 counter	main office 203 sill	library 119 table	library 119 sill	room 135 desk	room 125 sill	field blank				
Aroclor-1016																				
Aroclor-1221																				
Aroclor-1232																				
Aroclor-1242																				
Aroclor-1248																				
Aroclor-1254																				
Aroclor-1260																				
Aroclor-1262																				
Aroclor-1268																				
PCB Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0				
RL	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2				

Airs

2/6/2010	DA-01	DA-02	DA-03	DA-04	DA-05	DA-06	DA-07	DA-08	DA-09	DA-10	DA-11	DA-12	DA-13	DA-14	DA-15	DA-16	DA-17	DA-18	DA-19	DA-20
ug/m3	Main office 203	Computer room 207	Hairdressing 212	Hall o/s mens locker room 202	Library 119	Room 120 science lab	Room 120 science lab (duplicate)	Room 135	Room 106 Electronics	Gym 204	Cafeteria 215	Faculty Lounge 217	Hall o/s boiler room 221	Aircraft Hanger 301	Ambient exterior o/s 301	Hall o/s automotive 306	Machine Shop 307	Autobody 318	Field Blank	Spike
Monochlorobiphenyl																				0.32
Dichlorobiphenyl																				0.322
Trichlorobiphenyl																				0.331
Tetrachlorobiphenyl																				0.69
Pentachlorobiphenyl																				0.699
Hexachlorobiphenyl																				0.72
Heptachlorobiphenyl																				1.06
Octachlorobiphenyl																				1.05
Nonachlorobiphenyl																				
Decachlorobiphenyl																				2.16
PCB Total	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7.352

Note: Initial dust wipe samples from 2-6-10 believed to be contaminated with 1242, sampling repeated on 3-6-10

APPENDIX A

PCB CAULK/GLAZE BULK SAMPLE DATA

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
173781.000/.0000	DPW: ~~Windham Tech, Windham, CT~~ Ellis Tech, Danielson		PLM: 24hr 48hr 3day 5day
			TEM: 24hr 48hr 3day 5day
INSPECTOR: (SIGNATURE)	(PRINTED) Greg Kaczynski		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	MATERIAL	EPA 8082 (3540)
C1	12/29/09			X	Exterior hard gray, mag caulk	X
DWG1				X	Ext. black putty, window glaze	X
C2				X	Ext white rubbery door caulk	X
C3				X	Ext. light gray putty, window caulk	X
WG1				X	Ext. hard gray, window glaze	X
C4				X	Ext. beige rubbery caulk	X
C5				X	Ext gray rubbery, sticky caulk	X
C7				X	Ext gray building caulk	X
DWG2				X	Ext black putty, window glaze	X
C11				X	Ext hard gray/tan putty	X
C12				X	Ext brown rubbery caulk	X
C13				X		X

TEMP N 21.5°

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
		1-5-10 1300		1-5-10	
(Printed) Greg Kaczynski	Time:	(Printed) Robert Pergament	(Printed) Robert Pergament	Time: 1600	(Printed) R. Blake

Remarks:
NO SAMPLE #s C6, C8, C9, C10, C12, DWG3, DWG5, C18, C19, C20

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
173781.000/.0000	DPW: ~~Windham Tech., Windham,~~ CT		PLM: 24hr 48hr 3day 5day
			TEM: 24hr 48hr 3day 5day

INSPECTOR: (SIGNATURE)	(PRINTED)
	Greg Kaczynski

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	MATERIAL	EPA 8082 (3540)					
C14	12/29/09			X	Ext. Cream rubbery bldg caulk	X					4 Bulk N 21.5°
DN64				X	Ext gray hard garage door window glaze	X					
C15				X	Ext. Maroon rubbery window caulk	X					
W63				X	Ext gray brittle window glaze	X					
W64				X	Ext. hard gray window glaze	X					
C16				X	Ext yellow/cream door caulk	X					
W65				X	Ext white window glaze	X					
C17				X	Ext white soft vent caulk	X					
C21	12/30/09			X	Ext black rubbery caulk	X					
C22				X	Ext white roof caulk	X					
FL1				X	Ext black flashing tar (caulk)	X					
C23				X	Ext white powdery flexible caulk	X					

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
				1-5-10	R Blake
(Printed) Greg Kacz	Time:	(Printed)	(Printed)	Time:	(Printed) R Blake

Remarks:

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
173781.0004.0000	DPW: ~~Windham Tech.~~, ~~Windham~~, CT		PLM: 24hr 48hr 3day 5day TEM: 24hr 48hr 3day 5day

INSPECTOR: (SIGNATURE) (PRINTED) Greg Kaczynski

TEMP N 21.5°

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	MATERIAL	EPA 8082 (3540)
C24	12/30/09			X	Interior tan hard windowcaulk	X
C25	"			X	Int. hard gray/brittle caulk	X
WG6	"			X	black Int. putty glaze	X
C26	"			X	Int/ext gray seamcaulk	X
				X		X
				X		X
				X		X
				X		X
				X		X
				X		X
				X		X
				X		X

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	1-5-10 15:50			1-5-10	R Blanchard
(Printed) Greg Kaczynski	Time:	(Printed) Roberto Pergamo	(Printed) Roberto Pergamo	Time: 1600	(Printed) R Blanchard

Remarks:

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: Ellis Tech, Danielson
Project #: 173781.0004.0000
CET #: 10010043
Solid: C1; C11; C12; C13; C2; C3; C4; C5; C7; DWG1; DWG2; DWG2 New; WG1
Collection Date(s): 12/29/2009

PREP ANALYSIS:

Soxhlet Extraction [EPA 3540C]

Client ID	C1	DWG1	C2	C3	WG1
CET ID	AE28959	AE28960	AE28961	AE28962	AE28963
Date Analyzed	1/6/2010	1/6/2010	1/6/2010	1/6/2010	1/6/2010

Soxhlet Extraction [EPA 3540C]

Client ID	C4	C5	C7	DWG2	C11
CET ID	AE28964	AE28965	AE28966	AE28967	AE28968
Date Analyzed	1/6/2010	1/6/2010	1/6/2010	1/7/2010	1/7/2010

Soxhlet Extraction [EPA 3540C]

Client ID	C12	C13	DWG2 New
CET ID	AE28969	AE28970	AE29351
Date Analyzed	1/7/2010	1/7/2010	1/12/2010

NOTES:
ND is Not Detected.

ANALYSIS:

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	C1	DWG1	C2	C3	WG1
CET ID	AE28959	AE28960	AE28961	AE28962	AE28963
Date Analyzed	1/11/2010	1/11/2010	1/11/2010	1/11/2010	1/11/2010
Dilution	2.0	2.0	2.0	2.0	2.0
PCB-1016	ND < 0.50	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	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1248	0.62	ND < 0.50	ND < 0.50	ND < 0.50	0.80
PCB-1254	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	1.1
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
TCMX (Surr 1)	77	69	165	76	79
DCB (Surr 2)	89	58	140	74	83

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	C4	C5	C7	DWG2	C11
CET ID	AE28964	AE28965	AE28966	AE28967	AE28968
Date Analyzed	1/11/2010	1/11/2010	1/11/2010	1/13/2010	1/13/2010
Dilution	2.0	2.0	2.0	2.0	2.0
PCB-1016	ND < 0.50	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	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1254	1.2	0.90	ND < 0.50	0.65	0.70
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
TCMX (Surr 1)	83	54	73	23	85
DCB (Surr 2)	73	46	82	21	91

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	C12	C13	DWG2 New
CET ID	AE28969	AE28970	AE29351
Date Analyzed	1/15/2010	1/13/2010	1/19/2010
Dilution	20.0	4.0	2.0
PCB-1016	ND < 5.0	ND < 1.0	ND < 0.50
PCB-1221	ND < 5.0	ND < 1.0	ND < 0.50
PCB-1232	ND < 5.0	ND < 1.0	ND < 0.50
PCB-1242	ND < 5.0	ND < 1.0	ND < 0.50
PCB-1248	ND < 5.0	ND < 1.0	ND < 0.50

Notes:
ND is Not Detected.

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	C12	C13	DWG2 New
PCB-1254	9.3	2.9	ND < 0.50
PCB-1260	ND < 5.0	ND < 1.0	ND < 0.50
TCMX (Surr 1)	73	57	73
DCB (Surr 2)	80	78	44

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 20, 2010

Mr. Erik Plimpton
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Project: ~~Windham~~ Tech, ~~Windham~~
Project #: 173781.0004.0000
CET #: 10010070
Solid: C14; C15; C16; C17; C21; C22; C23; C24; C25; C26; DWG4; FL1; WG3; WG4; WG5; WG6
Collection Date(s): 12/29/2009; 12/30/2009;

PREP ANALYSIS:

Soxhlet Extraction [EPA 3540C]

Client ID	C14	DWG4	C15	WG3	WG4
CET ID	AE29139	AE29140	AE29141	AE29142	AE29143
Date Analyzed	1/12/2010	1/12/2010	1/12/2010	1/12/2010	1/12/2010

Soxhlet Extraction [EPA 3540C]

Client ID	C16	WG5	C17	C21	C22
CET ID	AE29144	AE29145	AE29146	AE29147	AE29148
Date Analyzed	1/12/2010	1/12/2010	1/12/2010	1/12/2010	1/13/2010

Soxhlet Extraction [EPA 3540C]

Client ID	FL1	C23	C24	C25	WG6
CET ID	AE29149	AE29150	AE29151	AE29152	AE29153
Date Analyzed	1/13/2010	1/13/2010	1/13/2010	1/13/2010	1/13/2010

NOTES:
ND is Not Detected.

Soxhlet Extraction [EPA 3540C]

Client ID	C26
CET ID	AE29154
Date Analyzed	1/13/2010

ANALYSIS:

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	C14	DWG4	C15	WG3	WG4
CET ID	AE29139	AE29140	AE29141	AE29142	AE29143
Date Analyzed	1/19/2010	1/19/2010	1/19/2010	1/19/2010	1/19/2010
Dilution	2.0	2.0	2.0	2.0	2.0
PCB-1016	ND < 0.50	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	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1254	0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50	ND < 0.50
TCMX (Surr 1)	51	75	30	61	43
DCB (Surr 2)	68	59	36	68	72

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	C16	WG5	C17	C21	C22
CET ID	AE29144	AE29145	AE29146	AE29147	AE29148
Date Analyzed	1/19/2010	1/19/2010	1/19/2010	1/19/2010	1/19/2010
Dilution	2.0	2.0	2.0	20.0	2.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5.0	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5.0	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5.0	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5.0	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5.0	ND < 0.50
PCB-1254	ND < 0.50	ND < 0.50	ND < 0.50	12	ND < 0.50
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 5.0	ND < 0.50
TCMX (Surr 1)	64	71	55	+	61
DCB (Surr 2)	117	63	53	+	51

Notes:
ND is Not Detected.

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	FL1	C23	C24	C25	WG6
CET ID	AE29149	AE29150	AE29151	AE29152	AE29153
Date Analyzed	1/19/2010	1/19/2010	1/19/2010	1/19/2010	1/20/2010
Dilution	2.0	2.0	2.0	4.0	2.0
PCB-1016	ND < 0.50	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50
PCB-1221	ND < 0.50	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50
PCB-1232	ND < 0.50	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50
PCB-1242	ND < 0.50	ND < 0.50	2.6	3.2	ND < 0.50
PCB-1248	ND < 0.50	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50
PCB-1254	ND < 0.50	ND < 0.50	1.3	3.8	0.54
PCB-1260	ND < 0.50	ND < 0.50	ND < 0.50	ND < 1.0	ND < 0.50
TCMX (Surr 1)	50	79	80	128	67
DCB (Surr 2)	33	65	70	119	57

EPA 8082 PCBs [EPA 8082] Units: mg/kg (Dry Wt)

Client ID	C26
CET ID	AE29154
Date Analyzed	1/20/2010
Dilution	2.0
PCB-1016	ND < 0.50
PCB-1221	ND < 0.50
PCB-1232	ND < 0.50
PCB-1242	ND < 0.50
PCB-1248	ND < 0.50
PCB-1254	0.86
PCB-1260	0.51
TCMX (Surr 1)	58
DCB (Surr 2)	54

+ Surrogate diluted out

Assumed 100% Total Solids for all samples.

Sincerely,

David Ditta
Laboratory Director

Notes:
ND is Not Detected.

APPENDIX B

PCB DUST WIPE SAMPLE DATA

con-test®
ANALYTICAL LABORATORY

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

February 10, 2010

Erik Plimpton
TRC Environmental - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: Ellis Technical High School
Client Job Number:
Project Number: 173781.0001.0000
Laboratory Work Order Number: 10B0178

Enclosed are results of analyses for samples received by the laboratory on February 8, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Holly L. Folsom
Project Manager

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Environmental - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Erik Plimpton

REPORT DATE: 2/10/2010

PURCHASE ORDER NUMBER: 20605

PROJECT NUMBER: 173781.0001.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10B0178

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Ellis Technical High School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
D-D-21	10B0178-01	Wipe	Cafeteria 215-Table	SW-846 8082	
D-D-22	10B0178-02	Wipe	Cafeteria 215-Window Sill	SW-846 8082	
D-D-23	10B0178-03	Wipe	Teachers Lounge-217-Table	SW-846 8082	
D-D-24	10B0178-04	Wipe	Teachers Lounge-217-Window Sill	SW-846 8082	
D-D-25	10B0178-05	Wipe	Aircraft Hanger-301-Table	SW-846 8082	
D-D-26	10B0178-06	Wipe	Aircraft Hanger-301-Window Sill	SW-846 8082	
D-D-27	10B0178-07	Wipe	Hair Dressing-212-Table	SW-846 8082	
D-D-28	10B0178-08	Wipe	Hair Dressing-212-Table	SW-846 8082	
D-D-29	10B0178-09	Wipe	Hair Dressing-212-Window Sill/Heater	SW-846 8082	
D-D-30	10B0178-10	Wipe	Main Office-203-Counter	SW-846 8082	
D-D-31	10B0178-11	Wipe	Main Office-203-Window Sill/Heater	SW-846 8082	
D-D-32	10B0178-12	Wipe	Library-119-Table	SW-846 8082	
D-D-33	10B0178-13	Wipe	Library-119-Window Sill/Heater	SW-846 8082	
D-D-34	10B0178-14	Wipe	Room 135-Desk	SW-846 8082	
D-D-35	10B0178-15	Wipe	Room 135-Window Sill	SW-846 8082	
D-D-36	10B0178-16	Wipe	Field Blank	SW-846 8082	

con-test® ANALYTICAL LABORATORY

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

SW-846 8082

Qualifications:

Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

10B0178-01[D-D-21], 10B0178-07[D-D-27], 10B0178-08[D-D-28], 10B0178-09[D-D-29], 10B0178-10[D-D-30], 10B0178-11[D-D-31], 10B0178-12[D-D-32], 10B0178-03[D-D-23]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School | Sample Description: Cafeteria 215-Table | Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-21 | Sampled: 2/6/2010 16:45

Sample ID: 10B0178-01

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:01	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:01	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:01	JB
Aroclor-1242 [2]	1.9	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:01	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:01	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:01	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:01	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:01	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:01	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		2/10/10 3:01
Decachlorobiphenyl [2]	105	30-150		2/10/10 3:01
Tetrachloro-m-xylene [1]	**231** *	30-150	S-12	2/10/10 3:01
Tetrachloro-m-xylene [2]	104	30-150		2/10/10 3:01

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School | Sample Description: Cafeteria 215-Window Sill | Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-22 | Sampled: 2/6/2010 16:50

Sample ID: 10B0178-02

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:16	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:16	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:16	JB
Aroclor-1242 [2]	1.2	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:16	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:16	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:16	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:16	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:16	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:16	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	97.3	30-150		2/10/10 3:16
Decachlorobiphenyl [2]	98.3	30-150		2/10/10 3:16
Tetrachloro-m-xylene [1]	138	30-150		2/10/10 3:16
Tetrachloro-m-xylene [2]	102	30-150		2/10/10 3:16

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School | Sample Description: Teachers Lounge-217-Table | Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-23 | Sampled: 2/6/2010 16:55

Sample ID: 10B0178-03

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:31	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:31	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:31	JB
Aroclor-1242 [1]	1.3	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:31	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:31	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:31	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:31	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:31	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:31	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	85.0	30-150		2/10/10 3:31
Decachlorobiphenyl [2]	86.4	30-150		2/10/10 3:31
Tetrachloro-m-xylene [1]	31.7	30-150		2/10/10 3:31
Tetrachloro-m-xylene [2]	**20.7** *	30-150	S-12	2/10/10 3:31

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School | Sample Description: Teachers Lounge-217-Window Sill | Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-24 | Sampled: 2/6/2010 17:05

Sample ID: 10B0178-04

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:46	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:46	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:46	JB
Aroclor-1242 [2]	1.1	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:46	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:46	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:46	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:46	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:46	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/10/10 3:46	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	100	30-150		2/10/10 3:46
Decachlorobiphenyl [2]	103	30-150		2/10/10 3:46
Tetrachloro-m-xylene [1]	134	30-150		2/10/10 3:46
Tetrachloro-m-xylene [2]	103	30-150		2/10/10 3:46

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School | Sample Description: Aircraft Hanger-301-Table | Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-25 | Sampled: 2/6/2010 17:20

Sample ID: 10B0178-05

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:00	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:00	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:00	JB
Aroclor-1242 [1]	1.8	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:00	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:00	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:00	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:00	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:00	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:00	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.4	30-150		2/9/10 15:00
Decachlorobiphenyl [2]	94.5	30-150		2/9/10 15:00
Tetrachloro-m-xylene [1]	147	30-150		2/9/10 15:00
Tetrachloro-m-xylene [2]	84.3	30-150		2/9/10 15:00

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School | Sample Description: Aircraft Hanger-301-Window Sill | Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-26 | Sampled: 2/6/2010 17:25

Sample ID: 10B0178-06

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:16	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:16	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:16	JB
Aroclor-1242 [1]	1.4	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:16	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:16	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:16	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:16	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:16	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:16	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.4	30-150		2/9/10 15:16
Decachlorobiphenyl [2]	94.8	30-150		2/9/10 15:16
Tetrachloro-m-xylene [1]	125	30-150		2/9/10 15:16
Tetrachloro-m-xylene [2]	83.8	30-150		2/9/10 15:16

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School | Sample Description: Hair Dressing-212-Table | Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-27 | Sampled: 2/6/2010 17:38

Sample ID: 10B0178-07

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:31	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:31	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:31	JB
Aroclor-1242 [2]	2.4	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:31	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:31	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:31	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:31	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:31	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 15:31	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.4	30-150		2/9/10 15:31
Decachlorobiphenyl [2]	95.9	30-150		2/9/10 15:31
Tetrachloro-m-xylene [1]	**212** *	30-150	S-12	2/9/10 15:31
Tetrachloro-m-xylene [2]	88.3	30-150		2/9/10 15:31

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School Sample Description: Hair Dressing-212-Window Sill/Heate Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-29 Sampled: 2/6/2010 17:47

Sample ID: 10B0178-09

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:00	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:00	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:00	JB
Aroclor-1242 [2]	2.0	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:00	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:00	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:00	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:00	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:00	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:00	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	93.5	30-150		2/9/10 16:00
Decachlorobiphenyl [2]	93.9	30-150		2/9/10 16:00
Tetrachloro-m-xylene [1]	**204** *	30-150	S-12	2/9/10 16:00
Tetrachloro-m-xylene [2]	98.8	30-150		2/9/10 16:00

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School | Sample Description: Main Office-203-Counter | Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-30 | Sampled: 2/6/2010 17:55

Sample ID: 10B0178-10

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:15	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:15	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:15	JB
Aroclor-1242 [2]	1.8	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:15	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:15	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:15	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:15	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:15	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:15	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	101	30-150		2/9/10 16:15
Decachlorobiphenyl [2]	99.7	30-150		2/9/10 16:15
Tetrachloro-m-xylene [1]	**167** *	30-150	S-12	2/9/10 16:15
Tetrachloro-m-xylene [2]	95.1	30-150		2/9/10 16:15

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School | Sample Description: Main Office-203-Window Sill/Heater | Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-31 | Sampled: 2/6/2010 18:00

Sample ID: 10B0178-11

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:30	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:30	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:30	JB
Aroclor-1242 [2]	2.3	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:30	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:30	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:30	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:30	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:30	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:30	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	97.4	30-150		2/9/10 16:30
Decachlorobiphenyl [2]	96.6	30-150		2/9/10 16:30
Tetrachloro-m-xylene [1]	**198** *	30-150	S-12	2/9/10 16:30
Tetrachloro-m-xylene [2]	89.4	30-150		2/9/10 16:30

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School | Sample Description: Library-119-Table | Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-32 | Sampled: 2/6/2010 00:00

Sample ID: 10B0178-12

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:45	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:45	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:45	JB
Aroclor-1242 [2]	1.7	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:45	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:45	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:45	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:45	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:45	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 16:45	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	102	30-150		2/9/10 16:45
Decachlorobiphenyl [2]	101	30-150		2/9/10 16:45
Tetrachloro-m-xylene [1]	**180** *	30-150	S-12	2/9/10 16:45
Tetrachloro-m-xylene [2]	106	30-150		2/9/10 16:45

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School Sample Description: Library-119-Window Sill/Heater Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-33 Sampled: 2/6/2010 00:00

Sample ID: 10B0178-13

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 17:45	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 17:45	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 17:45	JB
Aroclor-1242 [1]	1.7	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 17:45	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 17:45	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 17:45	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 17:45	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 17:45	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 17:45	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	81.2	30-150		2/9/10 17:45
Decachlorobiphenyl [2]	81.1	30-150		2/9/10 17:45
Tetrachloro-m-xylene [1]	142	30-150		2/9/10 17:45
Tetrachloro-m-xylene [2]	74.3	30-150		2/9/10 17:45

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School Sample Description: Room 135-Desk Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-34 Sampled: 2/6/2010 00:00

Sample ID: 10B0178-14

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:00	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:00	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:00	JB
Aroclor-1242 [2]	1.4	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:00	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:00	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:00	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:00	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:00	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:00	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	81.7	30-150		2/9/10 18:00
Decachlorobiphenyl [2]	81.9	30-150		2/9/10 18:00
Tetrachloro-m-xylene [1]	118	30-150		2/9/10 18:00
Tetrachloro-m-xylene [2]	70.4	30-150		2/9/10 18:00

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Technical High School Sample Description: Room 135-Window Sill Work Order: 10B0178

Date Received: 2/8/2010

Field Sample #: D-D-35 Sampled: 2/6/2010 00:00

Sample ID: 10B0178-15

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:15	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:15	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:15	JB
Aroclor-1242 [2]	1.4	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:15	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:15	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:15	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:15	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:15	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	2/8/10	2/9/10 18:15	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.6	30-150		2/9/10 18:15
Decachlorobiphenyl [2]	87.7	30-150		2/9/10 18:15
Tetrachloro-m-xylene [1]	138	30-150		2/9/10 18:15
Tetrachloro-m-xylene [2]	83.9	30-150		2/9/10 18:15

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
10B0178-01 [D-D-21]	B010193	1	10	02/08/10
10B0178-02 [D-D-22]	B010193	1	10	02/08/10
10B0178-03 [D-D-23]	B010193	1	10	02/08/10
10B0178-04 [D-D-24]	B010193	1	10	02/08/10

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
10B0178-05 [D-D-25]	B010195	1	10	02/08/10
10B0178-06 [D-D-26]	B010195	1	10	02/08/10
10B0178-07 [D-D-27]	B010195	1	10	02/08/10
10B0178-08 [D-D-28]	B010195	1	10	02/08/10
10B0178-09 [D-D-29]	B010195	1	10	02/08/10
10B0178-10 [D-D-30]	B010195	1	10	02/08/10
10B0178-11 [D-D-31]	B010195	1	10	02/08/10
10B0178-12 [D-D-32]	B010195	1	10	02/08/10
10B0178-13 [D-D-33]	B010195	1	10	02/08/10
10B0178-14 [D-D-34]	B010195	1	10	02/08/10
10B0178-15 [D-D-35]	B010195	1	10	02/08/10
10B0178-16 [D-D-36]	B010195	1	10	02/08/10

con-test® ANALYTICAL LABORATORY

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

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B010193 - SW-846 3540C										
Blank (B010193-BLK1)				Prepared: 02/08/10 Analyzed: 02/09/10						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.79*		µg/Wipe	2.00		89.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.85*		µg/Wipe	2.00		92.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.75*		µg/Wipe	2.00		87.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.85*		µg/Wipe	2.00		92.4	30-150			
LCS (B010193-BS1)				Prepared: 02/08/10 Analyzed: 02/09/10						
Aroclor-1016	0.49	0.20	µg/Wipe	0.500		98.4	40-140			
Aroclor-1016 [2C]	0.48	0.20	µg/Wipe	0.500		95.5	40-140			
Aroclor-1260	0.54	0.20	µg/Wipe	0.500		107	40-140			
Aroclor-1260 [2C]	0.52	0.20	µg/Wipe	0.500		104	40-140			
Surrogate: Decachlorobiphenyl	*2.05*		µg/Wipe	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.08*		µg/Wipe	2.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	*1.90*		µg/Wipe	2.00		94.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.82*		µg/Wipe	2.00		91.2	30-150			
LCS Dup (B010193-BSD1)				Prepared: 02/08/10 Analyzed: 02/09/10						
Aroclor-1016	0.47	0.20	µg/Wipe	0.500		94.3	40-140	4.33	30	
Aroclor-1016 [2C]	0.55	0.20	µg/Wipe	0.500		109	40-140	13.6	30	
Aroclor-1260	0.55	0.20	µg/Wipe	0.500		109	40-140	1.77	30	
Aroclor-1260 [2C]	0.59	0.20	µg/Wipe	0.500		119	40-140	13.4	30	
Surrogate: Decachlorobiphenyl	*2.33*		µg/Wipe	2.00		116	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.36*		µg/Wipe	2.00		118	30-150			
Surrogate: Tetrachloro-m-xylene	*2.17*		µg/Wipe	2.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.07*		µg/Wipe	2.00		104	30-150			

con-test® ANALYTICAL LABORATORY

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

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B010195 - SW-846 3540C										
Blank (B010195-BLK1)				Prepared: 02/08/10 Analyzed: 02/09/10						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.80*		µg/Wipe	2.00		90.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.83*		µg/Wipe	2.00		91.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.96*		µg/Wipe	2.00		97.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.85*		µg/Wipe	2.00		92.3	30-150			
LCS (B010195-BS1)				Prepared: 02/08/10 Analyzed: 02/09/10						
Aroclor-1016	0.39	0.20	µg/Wipe	0.500		77.4	40-140			
Aroclor-1016 [2C]	0.40	0.20	µg/Wipe	0.500		80.7	40-140			
Aroclor-1260	0.49	0.20	µg/Wipe	0.500		98.5	40-140			
Aroclor-1260 [2C]	0.46	0.20	µg/Wipe	0.500		92.8	40-140			
Surrogate: Decachlorobiphenyl	*2.01*		µg/Wipe	2.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.02*		µg/Wipe	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*1.66*		µg/Wipe	2.00		83.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.64*		µg/Wipe	2.00		82.0	30-150			
LCS Dup (B010195-BSD1)				Prepared: 02/08/10 Analyzed: 02/09/10						
Aroclor-1016	0.47	0.20	µg/Wipe	0.500		93.3	40-140	18.6	30	
Aroclor-1016 [2C]	0.40	0.20	µg/Wipe	0.500		79.9	40-140	1.05	30	
Aroclor-1260	0.44	0.20	µg/Wipe	0.500		88.0	40-140	11.3	30	
Aroclor-1260 [2C]	0.46	0.20	µg/Wipe	0.500		91.1	40-140	1.79	30	
Surrogate: Decachlorobiphenyl	*2.10*		µg/Wipe	2.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.10*		µg/Wipe	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*1.65*		µg/Wipe	2.00		82.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.65*		µg/Wipe	2.00		82.7	30-150			

con-test®
ANALYTICAL LABORATORY

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
S-12	Surrogate recovery is outside of control limits on confirmatory column, but within control limits on primary column. Data validation is not affected.

con-test®
ANALYTICAL LABORATORY

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2010
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	03/23/2010

10B0178

TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

DUST

CHAIN OF CUSTODY

Need Results By 2/10/10 3PM

Edition: September 2007
Supersede Previous Edition

PROJECT NUMBER	PROJECT NAME	PARAMETERS	LAB ID #
173781-0001-0000	DOE - CT Technical High School Ellis Technical High School Danielson, CT		TURNAROUND TIME 24hr [X] 48hr [ ] 3day [ ] 5day 24hr [ ] 48hr [ ] 3day [ ] 5day
INSPECTOR: (SIGNATURE)	(PRINTED) Gregory Kaczynski		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PCB - EPA 8082/3540C	NOTES Surface Area (100cm²)
D-D-21	2/6/10	1645		X	Cafeteria-215-table	X	100cm² -01
D-D-22	"	1650		"	" - window sill	X	-02
D-D-23	"	1655		"	Teacher Lounge-217-table	X	-03
D-D-24	"	1705		"	" - window sill	X	-04
D-D-25	"	1720		"	Aircraft Hanger-301-table	X	-05
D-D-26	"	1725		"	" - window sill	X	-06
D-D-27	"	1738		"	Hairdressing-212-table	X	-07
D-D-28	"	1742		"	"	X	-08
D-D-29	"	1747		"	" - window sill/shelf	X	-09
D-D-30	"	1755		"	Main office-203-counter	X	-10
D-D-31	"	1800		"	" - window sill/shelf	X	-11

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Gregory Kaczynski	Time: 2045	(Printed) Don LePage	(Printed) Don LePage	Time:	(Printed) Alan Pienkowski 17.5°C
Remarks:					Page 1 of 1 2/8/10

TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

Edition: September 2007
Supersede Previous Edition

DUST CHAIN OF CUSTODY

10B0178

PROJECT NUMBER	PROJECT NAME	PARAMETERS	LAB ID #
173781-0001-0000	DOE - CT TECHNICAL HIGH SCHOOL Ellis Technical High School Danielson, CT		TURNAROUND TIME 24hr X 48hr 3day 5day 24hr 48hr 3day 5day
INSPECTOR: (SIGNATURE)	(PRINTED) Gregory Kaczynski		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PCB - EPA 8082/3540C	NOTES Surface Area (100cm²)
D-D-32	2/6/10			X	Library - 119 - table	X	100cm² - 12
D-D-33				X	" " - window sill/heater	X	- 13
D-D-34				X	Room 135 - desk	X	- 14
D-D-35				X	" - window sill	X	- 15
D-D-36				X	Field Blank	X	- 16

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Gregory Kaczynski	Time: 2045	(Printed) Don LePage	(Printed) Don LePage	Time:	(Printed) Alan Pienkowski 17.5°

Remarks:

Page 1 of 1 2/8/10

www.contestlabs.com

con-test ANALYTICAL LABORATORY

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

Sample Receipt Checklist

CLIENT NAME: TRC - CT RECEIVED BY: AP DATE: 2/8/10

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 17.5°C

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

Who was notified _____ Date _____ Time _____

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

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Client Signature: _____

Containers sent in to Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz clear jar	
500 mL Amber		4 oz clear jar	
250 mL Amber (8oz amber)		2 oz clear jar	~~48~~ 16 AP
1 Liter Plastic		Other glass jar	
500 mL Plastic		Plastic Bag / Ziploc	
250 mL plastic		Air Cassette	
40 mL Vial - type listed below		Brass Sleeves	
Colisure / bacteria bottle		Tubes	
Dissolved Oxygen bottle		Summa Cans	
Flashpoint bottle		Regulators	
Encore		Other	

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ **Time and Date Frozen:** _____

Thiosulfate _____ Unpreserved _____

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

con-test®
ANALYTICAL LABORATORY

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

March 10, 2010

Erik Plimpton
TRC Environmental - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: Ellis Tech H.S. Danielson, CT
Client Job Number:
Project Number: 173781.0001.0000
Laboratory Work Order Number: 10C0192

Enclosed are results of analyses for samples received by the laboratory on March 8, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Holly L. Folsom
Project Manager

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

TRC Environmental - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Erik Plimpton

REPORT DATE: 3/10/2010

PURCHASE ORDER NUMBER: 20605

PROJECT NUMBER: 173781.0001.0000

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 10C0192

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Ellis Tech H.S. Danielson, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
DD-01	10C0192-01	Wipe	Cafeteria 215 - Table	SW-846 8082	
DD-02	10C0192-02	Wipe	Cafeteria 215 - Sill	SW-846 8082	
DD-03	10C0192-03	Wipe	Teachers Lounge 217- Table	SW-846 8082	
DD-04	10C0192-04	Wipe	Teachers Lounge 217- Sill	SW-846 8082	
DD-05	10C0192-05	Wipe	Aircraft Hanger 301 - Table	SW-846 8082	
DD-06	10C0192-06	Wipe	Aircraft Hanger 301 - Sill	SW-846 8082	
DD-07	10C0192-07	Wipe	Hair Dressing 212 - Table	SW-846 8082	
DD-08	10C0192-08	Wipe	Hair Dressing 212 - Sill	SW-846 8082	
DD-09	10C0192-09	Wipe	Hair Dressing 212 - Table	SW-846 8082	
DD-10	10C0192-10	Wipe	Main Office - Counter	SW-846 8082	
DD-11	10C0192-11	Wipe	Main Office - Window Sill	SW-846 8082	
DD-12	10C0192-12	Wipe	Library 119 - Table	SW-846 8082	
DD-13	10C0192-13	Wipe	Library 119 - Sill	SW-846 8082	
DD-14	10C0192-14	Wipe	Room 135 - Desk	SW-846 8082	
DD-15	10C0192-15	Wipe	Room 135 - Sill	SW-846 8082	
DD-16	10C0192-16	Field Blank	Field Blank	SW-846 8082	

con-test®
ANALYTICAL LABORATORY

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

CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Michael A. Erickson
Laboratory Director

con-test®
ANALYTICAL LABORATORY

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

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Cafeteria 215 - Table Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-01 Sampled: 3/6/2010 13:01

Sample ID: 10C0192-01

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:07	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:07	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:07	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:07	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:07	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:07	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:07	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:07	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:07	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.7	30-150		3/9/10 15:07
Decachlorobiphenyl [2]	100	30-150		3/9/10 15:07
Tetrachloro-m-xylene [1]	80.6	30-150		3/9/10 15:07
Tetrachloro-m-xylene [2]	80.2	30-150		3/9/10 15:07

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Cafeteria 215 - Sill Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-02 Sampled: 3/6/2010 13:03

Sample ID: 10C0192-02

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:22	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:22	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:22	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:22	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:22	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:22	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:22	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:22	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:22	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	98.7	30-150		3/9/10 15:22
Decachlorobiphenyl [2]	101	30-150		3/9/10 15:22
Tetrachloro-m-xylene [1]	81.7	30-150		3/9/10 15:22
Tetrachloro-m-xylene [2]	81.1	30-150		3/9/10 15:22

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Teachers Lounge 217- Table Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-03 Sampled: 3/6/2010 13:12

Sample ID: 10C0192-03

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:37	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:37	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:37	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:37	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:37	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:37	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:37	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:37	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:37	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.5	30-150		3/9/10 15:37
Decachlorobiphenyl [2]	103	30-150		3/9/10 15:37
Tetrachloro-m-xylene [1]	89.1	30-150		3/9/10 15:37
Tetrachloro-m-xylene [2]	87.1	30-150		3/9/10 15:37

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Teachers Lounge 217- Sill Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-04 Sampled: 3/6/2010 13:14

Sample ID: 10C0192-04

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:52	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:52	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:52	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:52	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:52	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:52	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:52	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:52	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 15:52	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	96.1	30-150		3/9/10 15:52
Decachlorobiphenyl [2]	103	30-150		3/9/10 15:52
Tetrachloro-m-xylene [1]	93.4	30-150		3/9/10 15:52
Tetrachloro-m-xylene [2]	91.8	30-150		3/9/10 15:52

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Aircraft Hanger 301 - Table Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-05 Sampled: 3/6/2010 13:25

Sample ID: 10C0192-05

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 16:07	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 16:07	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 16:07	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 16:07	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 16:07	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 16:07	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 16:07	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 16:07	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 16:07	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	88.7	30-150		3/9/10 16:07
Decachlorobiphenyl [2]	99.2	30-150		3/9/10 16:07
Tetrachloro-m-xylene [1]	81.5	30-150		3/9/10 16:07
Tetrachloro-m-xylene [2]	79.6	30-150		3/9/10 16:07

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Hair Dressing 212 - Table Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-07 Sampled: 3/6/2010 13:33

Sample ID: 10C0192-07

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:22	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:22	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:22	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:22	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:22	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:22	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:22	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:22	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:22	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.7	30-150		3/9/10 17:22
Decachlorobiphenyl [2]	103	30-150		3/9/10 17:22
Tetrachloro-m-xylene [1]	82.7	30-150		3/9/10 17:22
Tetrachloro-m-xylene [2]	81.7	30-150		3/9/10 17:22

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Hair Dressing 212 - Sill Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-08 Sampled: 3/6/2010 13:35

Sample ID: 10C0192-08

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:37	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:37	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:37	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:37	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:37	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:37	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:37	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:37	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:37	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	93.4	30-150		3/9/10 17:37
Decachlorobiphenyl [2]	100	30-150		3/9/10 17:37
Tetrachloro-m-xylene [1]	84.1	30-150		3/9/10 17:37
Tetrachloro-m-xylene [2]	82.3	30-150		3/9/10 17:37

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Hair Dressing 212 - Table Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-09 Sampled: 3/6/2010 13:43

Sample ID: 10C0192-09

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:52	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:52	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:52	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:52	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:52	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:52	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:52	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:52	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 17:52	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.1	30-150		3/9/10 17:52
Decachlorobiphenyl [2]	102	30-150		3/9/10 17:52
Tetrachloro-m-xylene [1]	92.3	30-150		3/9/10 17:52
Tetrachloro-m-xylene [2]	91.2	30-150		3/9/10 17:52

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Main Office - Counter Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-10 Sampled: 3/6/2010 13:50

Sample ID: 10C0192-10

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:07	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:07	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:07	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:07	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:07	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:07	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:07	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:07	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:07	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.7	30-150		3/9/10 18:07
Decachlorobiphenyl [2]	102	30-150		3/9/10 18:07
Tetrachloro-m-xylene [1]	93.0	30-150		3/9/10 18:07
Tetrachloro-m-xylene [2]	91.9	30-150		3/9/10 18:07

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Main Office - Window Sill Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-11 Sampled: 3/6/2010 13:55

Sample ID: 10C0192-11

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:22	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:22	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:22	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:22	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:22	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:22	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:22	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:22	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:22	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	101	30-150		3/9/10 18:22
Decachlorobiphenyl [2]	98.2	30-150		3/9/10 18:22
Tetrachloro-m-xylene [1]	83.5	30-150		3/9/10 18:22
Tetrachloro-m-xylene [2]	83.2	30-150		3/9/10 18:22

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Library 119 - Table Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-12 Sampled: 3/6/2010 14:09

Sample ID: 10C0192-12

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:37	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:37	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:37	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:37	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:37	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:37	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:37	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:37	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:37	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		3/9/10 18:37
Decachlorobiphenyl [2]	103	30-150		3/9/10 18:37
Tetrachloro-m-xylene [1]	93.5	30-150		3/9/10 18:37
Tetrachloro-m-xylene [2]	92.3	30-150		3/9/10 18:37

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Library 119 - Sill Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-13 Sampled: 3/6/2010 14:11

Sample ID: 10C0192-13

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:52	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:52	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:52	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:52	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:52	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:52	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:52	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:52	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 18:52	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		3/9/10 18:52
Decachlorobiphenyl [2]	105	30-150		3/9/10 18:52
Tetrachloro-m-xylene [1]	90.6	30-150		3/9/10 18:52
Tetrachloro-m-xylene [2]	91.2	30-150		3/9/10 18:52

con-test®
ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Room 135 - Desk Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-14 Sampled: 3/6/2010 14:19

Sample ID: 10C0192-14

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:07	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:07	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:07	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:07	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:07	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:07	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:07	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:07	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:07	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		3/9/10 19:07
Decachlorobiphenyl [2]	107	30-150		3/9/10 19:07
Tetrachloro-m-xylene [1]	93.2	30-150		3/9/10 19:07
Tetrachloro-m-xylene [2]	94.6	30-150		3/9/10 19:07

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Room 135 - Sill Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-15 Sampled: 3/6/2010 14:20

Sample ID: 10C0192-15

Sample Matrix: Wipe

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:22	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:22	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:22	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:22	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:22	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:22	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:22	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:22	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:22	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		3/9/10 19:22
Decachlorobiphenyl [2]	106	30-150		3/9/10 19:22
Tetrachloro-m-xylene [1]	92.2	30-150		3/9/10 19:22
Tetrachloro-m-xylene [2]	93.2	30-150		3/9/10 19:22

con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Ellis Tech H.S. Danielson, CT Sample Description: Field Blank Work Order: 10C0192

Date Received: 3/8/2010

Field Sample #: DD-16 Sampled: 3/6/2010 00:00

Sample ID: 10C0192-16

Sample Matrix: Field Blank

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:37	JB
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:37	JB
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:37	JB
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:37	JB
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:37	JB
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:37	JB
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:37	JB
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:37	JB
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082	3/8/10	3/9/10 19:37	JB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		3/9/10 19:37
Decachlorobiphenyl [2]	106	30-150		3/9/10 19:37
Tetrachloro-m-xylene [1]	75.2	30-150		3/9/10 19:37
Tetrachloro-m-xylene [2]	76.2	30-150		3/9/10 19:37

con-test®
ANALYTICAL LABORATORY

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

Sample Extraction Data

Prep Method: SW-846 3540C-SW-846 8082

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
10C0192-01 [DD-01]	B011205	1	10	03/08/10
10C0192-02 [DD-02]	B011205	1	10	03/08/10
10C0192-03 [DD-03]	B011205	1	10	03/08/10
10C0192-04 [DD-04]	B011205	1	10	03/08/10
10C0192-05 [DD-05]	B011205	1	10	03/08/10
10C0192-06 [DD-06]	B011205	1	10	03/08/10
10C0192-07 [DD-07]	B011205	1	10	03/08/10
10C0192-08 [DD-08]	B011205	1	10	03/08/10
10C0192-09 [DD-09]	B011205	1	10	03/08/10
10C0192-10 [DD-10]	B011205	1	10	03/08/10
10C0192-11 [DD-11]	B011205	1	10	03/08/10
10C0192-12 [DD-12]	B011205	1	10	03/08/10
10C0192-13 [DD-13]	B011205	1	10	03/08/10
10C0192-14 [DD-14]	B011205	1	10	03/08/10
10C0192-15 [DD-15]	B011205	1	10	03/08/10
10C0192-16 [DD-16]	B011205	1	10	03/08/10

con-test®
ANALYTICAL LABORATORY

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

QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B011205 - SW-846 3540C										
Blank (B011205-BLK1)				Prepared: 03/08/10 Analyzed: 03/09/10						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.82*		µg/Wipe	2.00		90.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.98*		µg/Wipe	2.00		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.83*		µg/Wipe	2.00		91.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.84*		µg/Wipe	2.00		92.0	30-150			
LCS (B011205-BS1)				Prepared: 03/08/10 Analyzed: 03/09/10						
Aroclor-1016	0.45	0.20	µg/Wipe	0.500		90.7	40-140			
Aroclor-1016 [2C]	0.44	0.20	µg/Wipe	0.500		87.9	40-140			
Aroclor-1260	0.56	0.20	µg/Wipe	0.500		113	40-140			
Aroclor-1260 [2C]	0.52	0.20	µg/Wipe	0.500		103	40-140			
Surrogate: Decachlorobiphenyl	*2.04*		µg/Wipe	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.21*		µg/Wipe	2.00		110	30-150			
Surrogate: Tetrachloro-m-xylene	*1.76*		µg/Wipe	2.00		88.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.98*		µg/Wipe	2.00		99.1	30-150			
LCS Dup (B011205-BSD1)				Prepared: 03/08/10 Analyzed: 03/09/10						
Aroclor-1016	0.50	0.20	µg/Wipe	0.500		101	40-140	10.4	30	
Aroclor-1016 [2C]	0.43	0.20	µg/Wipe	0.500		85.8	40-140	2.51	30	
Aroclor-1260	0.53	0.20	µg/Wipe	0.500		106	40-140	5.88	30	
Aroclor-1260 [2C]	0.51	0.20	µg/Wipe	0.500		102	40-140	1.42	30	
Surrogate: Decachlorobiphenyl	*2.04*		µg/Wipe	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.18*		µg/Wipe	2.00		109	30-150			
Surrogate: Tetrachloro-m-xylene	*1.48*		µg/Wipe	2.00		73.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.64*		µg/Wipe	2.00		81.9	30-150			

con-test®
ANALYTICAL LABORATORY

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits estabished for difficult compound.
‡	Wide RPD limits estabished for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications

No certified Analyses included in this Report

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	American Industrial Hygiene Association	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2010
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2010
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2011
RI	Rhode Island Department of Health	LAO00112	12/30/2010
NC	North Carolina Div. of Water Quality	652	12/31/2010
NJ	New Jersey DEP	MA007 NELAP	06/30/2010
FL	Florida Department of Health	E871027 NELAP	06/30/2010
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2010
WA	State of Washington Department of Ecology	C2065	02/23/2011

10C0192

TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

PROJECT NUMBER	PROJECT NAME	PARAMETERS	LAB ID #
173781.00001.00000	DOE - CT TECHNICAL HIGH SCHOOL: ELLIS TECH. H.S Danielson, CT		TURNAROUND TIME: 24hr [X] 48hr [ ] 3day [ ] 5day / 24hr [ ] 48hr [ ] 3day [ ] 5day
INSPECTOR: (SIGNATURE)	(PRINTED) Hilton Hernandez		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PCB - EPA 8082/1354DC	NOTES: SAMPLE AREA (cm^2)
DD-01	3/6/10	1301		X	Cafeteria 215, table	X	100 cm^2 -01
DD-02		1303		X	Cafeteria 215, sill	X	100 cm^2 -02
DD-03		1312		X	Teacher's lounge 217, table	X	100 cm^2 -03
DD-04		1314		X	Teacher's lounge 217, sill	X	100 cm^2 -04
DD-05		1325		X	Aircraft hanger 301, table	X	100 cm^2 -05
DD-06		1327		X	Aircraft hanger 301, sill	X	100 cm^2 -06
DD-07		1333		X	Hairdressing 212 table	X	100 cm^2 -07
DD-08		1335		X	Hairdressing 212, sill	X	100 cm^2 -08
DD-09		1343		X	Hairdressing 212, table	X	100 cm^2 -09
DD-10		1350		X	Main office counter	X	100 cm^2 -10
DD-11		1355		X	Main office window sill	X	100 cm^2 -11

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Hilton Hernandez	Time: 0900 Pm	(Printed) Don LePage	(Printed) Don LePage	Time: 1444	(Printed) Christian Collins / Alan Pienkowski

Remarks:

 9.0°C

TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

Edition: September 2007
Supersede Previous Edition

PROJECT NUMBER	PROJECT NAME	PARAMETERS	LAB ID #.
173781.00001.02000	DOE-CT TECHNICAL HIGH SCHOOL: ELLIS TECH HS. Danielson, CT		TURNAROUND TIME: 24hr [X] 48hr [ ] 3day [ ] 5day / 24hr [ ] 48hr [ ] 3day [ ] 5day
INSPECTOR: (SIGNATURE)	(PRINTED) Hilton Hernandez		

FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP	TYPE GRAB	SAMPLE LOCATION	PCB - EPA 8082/3540C	NOTES
							SAMPLE AREA (cm^2)
DD-12	3/6/10	1409		X	Library 119, table	X	100 cm^2 -12
DD-13	"	1411		X	Library 119, sill	X	100 cm^2 -13
DD-14	"	1419		X	Room 135, desk	X	100 cm^2 -14
DD-15	"	1420		X	Room 135, sill	X	100 cm^2 -15
DD-16	"	—		X	Field blank	X	-16

Relinquished by: (Signature)	Date:	Received by: (Signature)	Relinquished by: (Signature)	Date:	Received by: (Signature)
	3/7/10			3/8/10	
(Printed) Hilton Hernandez	Time: 09:00 pm	(Printed) Don LeRoy	(Printed) Don LeRoy	Time: 1448	(Printed) Christian Collins / Alan Pienkowski

Remarks:

 9.0°C

www.contestlabs.com

con-test ANALYTICAL LABORATORY

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

Sample Receipt Checklist

CLIENT NAME: TRC-CT RECEIVED BY: CEC DATE: 3/8/10

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 9.0°C

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

Who was notified ~~FD~~ Date 3/8/10 ~~Time~~ 1500

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

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

Who was notified FD Date 3/8/10 Time 15:00

8) Location where samples are stored: 19

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

Client Signature: _____

Containers sent in to Con-Test

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

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

Bisulfate _____ # DI Water _____ **Time and Date Frozen:** _____

Thiosulfate _____ Unpreserved _____

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

APPENDIX C

PCB AIR SAMPLE DATA

<10020036P1>

Ignore Highlighted ✱ All air samples are 10 day TAT ✱

TRC
21 Griffin Road North
Windsor, Connecticut 06095
Telephone 860-298-9692

AIR SAMPLE CHAIN OF CUSTODY

Edition: August 2007
Supersedes Previous Edition

Turn Around Time Requested

☐ <6 Hour ☐ 24 Hour ☒ 48 Hour ☐ 72 Hour ☐ 4-5 Days

CLIENT: DOE - CT TECHNICAL HIGH SCHOOLS
SAMPLER PRINT: Gregory Kaczynski
SITE: Ellis Technical High School, Danielson, CT
SIGNATURE:
PROJECT NO.: 173781-0001-0000
ROTOMETER NO.: H-18
CONTACT/NAME: Erik Plimpton
DATE OF CALIBRATION: 11/04/09
PHONE NO.: 860-298-6280

Analyses Requested

TYPE OF SAMPLE
1. Background
2. Prep.
3. Work Area
4. Environmental
5. Personal
6. Clearance

Date Sampled	Sample I.D.	Sample Location/Description	HEIGHT (FT)	Air Sampling Information: Flow (L/min)		Start Time	End Time	Volume Liters	PCB IN AIR - HOMOLOGUE	Lab I.D.	TEMP.
02/06/10	[redacted]	[redacted] Office 203	5'	5	5	1323	1910	1735	X		
	[redacted]	Room 207 (computer room)	4'	5	5	1322	1907	1725	X	AN01342	66.2
	D-A-03	Hairdressing - 212	3'	5	5	1322	1903	1705	X	AN01343	67.3
	D-A-04	Hallway - outside Men's locker room (202)	3'	5	5	1324	1924	1785	X	AN01344	68.4
	D-A-05	Library - 119	3'	5	5	1325	1923	1790	X	AN01345	67.1
	[redacted]	Room 110 - Science Lab	4'	5	5	1328	1925	1785	X	AN01346	68.0
	D-A-07	1 1	4'	5	5	1328	1925	1785	X	AN01347	64.4
	D-A-08	Room 135	5'	5	5	1329	1928	1795	X	AN01348	64.4
	D-A-09	Room 106 - Electronics	4'	5	5	1331	1931	1800	X	AN01349	62.2
	D-A-10	Gym - 204	4'	5	5	1323	1915	1760	X	AN01350	66.4
										AN01351	65.5

Relinquished By: Tony Burke Date: 2/6/10 Time: 2045
Received By: Relinquished: Tony Burke 2-8-10 1345 Received: Megan Gilleece 2/8/10 1345 Date: 2/8/10 Time: 1200
Condition of Samples: Acceptable: Yes ____ No ____ Comments: Temp = 17.6°C

<10020036P2>

100200362

TRC
21 Griffin Road North
Windsor, Connecticut 06095
Telephone 860-298-9692

AIR SAMPLE CHAIN OF CUSTODY

Edition: August 2007
Supersedes Previous Edition

Turn Around Time Requested

☐ <6 Hour ☐ 24 Hour ☒ 48 Hour ☐ 72 Hour ☐ 4-5 Days

CLIENT: DOE - CT TECHNICAL HIGH SCHOOLS
SAMPLER PRINT: Gregory Kaczynski
SITE: Ellis Technical High School, Danielson, CT
SIGNATURE:
PROJECT NO.: 173781-0001-0000
ROTOMETER NO.: H-18
CONTACT/NAME: Erik Plimpton
DATE OF CALIBRATION: 11/04/09
PHONE NO.: 860-298-6280

Analyses Requested

TYPE OF SAMPLE
1. Background
2. Prep.
3. Work Area
4. Environmental
5. Personal
6. Clearance

Date Sampled	Sample I.D.	Sample Location/Description	Height (FT)	Air Sampling Information: Flow (L/min)		Start Time	End Time	Volume Liters	PCB in Air - Homologue	Lab I.D.	Temp. (°F)
02/06/10	D-A-11	Cafeteria - 215	3'	5	5	1321	1851	1650	X	AN01352	65.5
	D-A-12	Faculty Lounge - 217	3'	5	5	1321	1855	1670	X	AN01353	64.0
	D-A-13	[illegible]	3'	5	5	1320	1845	1625	X	AN01354	68.9
	D-A-14	Aircraft Hangar - 301	4'	5	5	1319	1832	1565	X	AN01355	69.8
	D-A-15	Ambient - Exterior - C-side of building outside 301	4'	5	5	1320	1837	1585	X	AN01356	20.3
	D-A-16	Hallway - outside Automotive (306)	3'	5	5	1318	1827	1545	X	AN01357	75.7
	D-A-17	Machine Shop - 307	3'	5	5	1318	1822	1520	X	AN01358	71.2
	D-A-18	Autobody - 318	4'	5	4	1317	1815	1490	X	AN01359	62.6
	D-A-19	Field Blank	-	-	-	-	-	-	X	AN01360	
	D-A-20	Spike	-	-	-	-	-	-	X	AN01361	

Relinquished By: Received: Tony Bush
Received By: RELINQUISHED: Tony Bush / RECEIVED:
Condition of Samples: RELINQ: 1345 2-8-10 / Recvd at Moore 2/8/10 1345 Acceptable: Yes ____ No ____

Date: 2/6/10 Time: 2045
Date: 2/8/10 Time: 1200
Comments: Temp = 17.6°

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID: D-A-01
NEA ID: AN01342 **NEA LRF:** 10020036-01
MATRIX: POLYURETHANE FOAM
DATE SAMPLED: 02/06/2010 **TIME:** 19:10
DATE RECEIVED: 02/08/2010 **TIME:** 13:45
PROJECT: 173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY: G. KACZYNSKI
LOCATION: DANIELSON, CT
CUSTOMER PO: 20606
LAB ELAP#: 11078
METHOD: PCBs by EPA Method TO-10A/680
DATE ANALYZED: 02/14/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00288**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00288**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00288**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00576**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00576**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00576**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00865**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00865**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0144**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0144**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-02	**NEA ID:** AN01343	**NEA LRF:** 10020036-02
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 19:07
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/14/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00290**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00290**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00290**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00580**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00580**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00580**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00870**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00870**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0145**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0145**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-03	**NEA ID:** AN01344	**NEA LRF:** 10020036-03
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 19:03
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/14/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00293**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00293**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00293**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00587**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00587**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00587**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00880**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00880**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0147**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0147**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-04	**NEA ID:** AN01345	**NEA LRF:** 10020036-04
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 19:21
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/15/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00280**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00280**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00280**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00560**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00560**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00560**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00840**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00840**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0140**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0140**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-05	**NEA ID:** AN01346	**NEA LRF:** 10020036-05
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 19:23
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/15/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00279**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00279**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00279**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00559**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00559**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00559**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00838**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00838**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0140**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0140**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-06	**NEA ID:** AN01347	**NEA LRF:** 10020036-06
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 19:25
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/15/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00280**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00280**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00280**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00560**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00560**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00560**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00840**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00840**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0140**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0140**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-07	**NEA ID:** AN01348	**NEA LRF:** 10020036-07
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 19:25
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/15/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00280**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00280**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00280**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00560**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00560**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00560**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00840**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00840**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0140**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0140**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-08	**NEA ID:** AN01349	**NEA LRF:** 10020036-08
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 19:28
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/15/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00279**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00279**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00279**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00557**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00557**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00557**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00836**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00836**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0139**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0139**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-09	**NEA ID:** AN01350	**NEA LRF:** 10020036-09
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 19:31
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/15/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00278**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00278**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00278**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00556**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00556**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00556**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00833**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00833**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0139**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0139**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-10	**NEA ID:** AN01351	**NEA LRF:** 10020036-10
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 19:15
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/15/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00284**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00284**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00284**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00568**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00568**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00568**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00852**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00852**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0142**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0142**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1988 NEA 2008

CUSTOMER ID:	D-A-11	**NEA ID:** AN01352	**NEA LRF:** 10020036-11
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 18:51
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/15/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00303**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00303**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00303**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00606**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00606**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00606**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00909**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00909**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0152**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0152**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-12	**NEA ID:** AN01353	**NEA LRF:** 10020036-12
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 18:55
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/15/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00299**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00299**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00299**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00599**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00599**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00599**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00898**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00898**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0150**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0150**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-13	**NEA ID:** AN01354	**NEA LRF:** 10020036-13
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 18:45
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/15/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00308**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00308**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00308**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00615**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00615**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00615**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00923**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00923**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0154**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0154**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-14	**NEA ID:** AN01355	**NEA LRF:** 10020036-14
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 18:32
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/15/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00320**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00320**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00320**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00639**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00639**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00639**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00959**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00959**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0160**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0160**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-15	**NEA ID:** AN01356	**NEA LRF:** 10020036-15
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 18:37
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/16/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00316**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00316**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00316**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00631**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00631**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00631**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00946**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00946**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0158**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0158**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-16	**NEA ID:** AN01357	**NEA LRF:** 10020036-16
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 18:27
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/16/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00324**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00324**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00324**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00647**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00647**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00647**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00971**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00971**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0162**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0162**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-17	**NEA ID:** AN01358	**NEA LRF:** 10020036-17
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 18:22
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/16/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00329**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00329**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00329**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00658**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00658**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00658**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.00987**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.00987**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0164**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0164**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-18	**NEA ID:** AN01359	**NEA LRF:** 10020036-18
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** 18:15
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/16/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00336**	**ug/m³**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00336**	**ug/m³**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00336**	**ug/m³**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.00671**	**ug/m³**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.00671**	**ug/m³**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.00671**	**ug/m³**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.0101**	**ug/m³**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.0101**	**ug/m³**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0168**	**ug/m³**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0168**	**ug/m³**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-19	**NEA ID:** AN01360	**NEA LRF:** 10020036-19
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** N/A
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/14/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**ND**	**U**	**0.00500**	**ug**	**ND**
Dichlorobiphenyl	**25512-42-9**	**ND**	**U**	**0.00500**	**ug**	**ND**
Trichlorobiphenyl	**25323-68-6**	**ND**	**U**	**0.00500**	**ug**	**ND**
Tetrachlorobiphenyl	**26914-33-0**	**ND**	**U**	**0.0100**	**ug**	**ND**
Pentachlorobiphenyl	**25429-29-2**	**ND**	**U**	**0.0100**	**ug**	**ND**
Hexachlorobiphenyl	**26601-64-9**	**ND**	**U**	**0.0100**	**ug**	**ND**
Heptachlorobiphenyl	**28655-71-2**	**ND**	**U**	**0.0150**	**ug**	**ND**
Octachlorobiphenyl	**55722-26-4**	**ND**	**U**	**0.0150**	**ug**	**ND**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0250**	**ug**	**ND**
Decachlorobiphenyl	**2051-24-3**	**ND**	**U**	**0.0250**	**ug**	**ND**
Total PCB	**1336-36-3**	**ND**	**U**			**ND**

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

NEA
NORTHEAST ANALYTICAL LABS

CERTIFICATE OF ANALYSIS
02/18/2010
TRC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
CONTACT:

CELEBRATING 20 YEARS 1989 NEA 2009

CUSTOMER ID:	D-A-20	**NEA ID:** AN01361	**NEA LRF:** 10020036-20
MATRIX:	POLYURETHANE FOAM	**DATE SAMPLED:** 02/06/2010	**TIME:** N/A
DATE RECEIVED:	02/08/2010 **TIME:** 13:45	**PROJECT:**	173781-0001-0000/ELLIS TECHNICAL HIGH SCHOO
SAMPLED BY:	G. KACZYNSKI	**LOCATION:**	DANIELSON, CT
CUSTOMER PO:	20606	**LAB ELAP#:**	11078
METHOD:	PCBs by EPA Method TO-10A/680	**DATE ANALYZED:**	02/14/2010

HOMOLOG GROUP	CAS NUMBER	AMOUNT	FLAGS	PQL	UNITS	WEIGHT PERCENT
Monochlorobiphenyl	**27323-18-8**	**0.320**		**0.00500**	**ug**	**4.36**
Dichlorobiphenyl	**25512-42-9**	**0.322**		**0.00500**	**ug**	**4.37**
Trichlorobiphenyl	**25323-68-6**	**0.331**		**0.00500**	**ug**	**4.51**
Tetrachlorobiphenyl	**26914-33-0**	**0.690**		**0.0100**	**ug**	**9.39**
Pentachlorobiphenyl	**25429-29-2**	**0.699**		**0.0100**	**ug**	**9.50**
Hexachlorobiphenyl	**26601-64-9**	**0.720**		**0.0100**	**ug**	**9.79**
Heptachlorobiphenyl	**28655-71-2**	**1.06**		**0.0150**	**ug**	**14.4**
Octachlorobiphenyl	**55722-26-4**	**1.05**		**0.0150**	**ug**	**14.3**
Nonachlorobiphenyl	**53742-07-7**	**ND**	**U**	**0.0250**	**ug**	**ND**
Decachlorobiphenyl	**2051-24-3**	**2.16**		**0.0250**	**ug**	**29.4**
Total PCB	**1336-36-3**	**7.35**				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

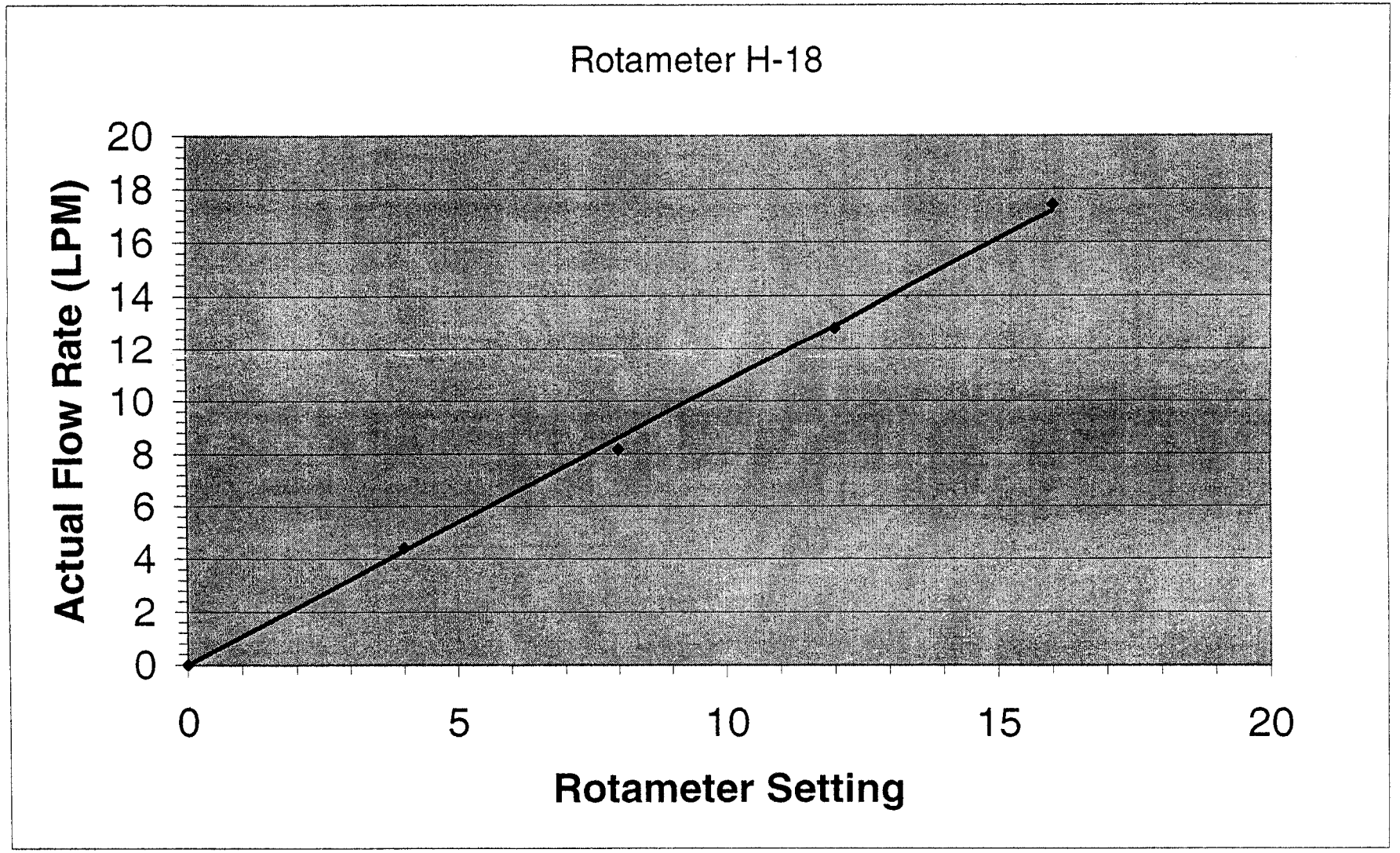
Robert E. Wagner
Laboratory Director

2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

Rotameter H-18

Rotameter Setting	Avg. Flow
0	0
4	4.4
8	8.2
12	12.8
16	17.4

Calibrated on: 04 November 2009
Due: 04 May 2010
By: K. Williamson



Rotameter calibrated using center of ball

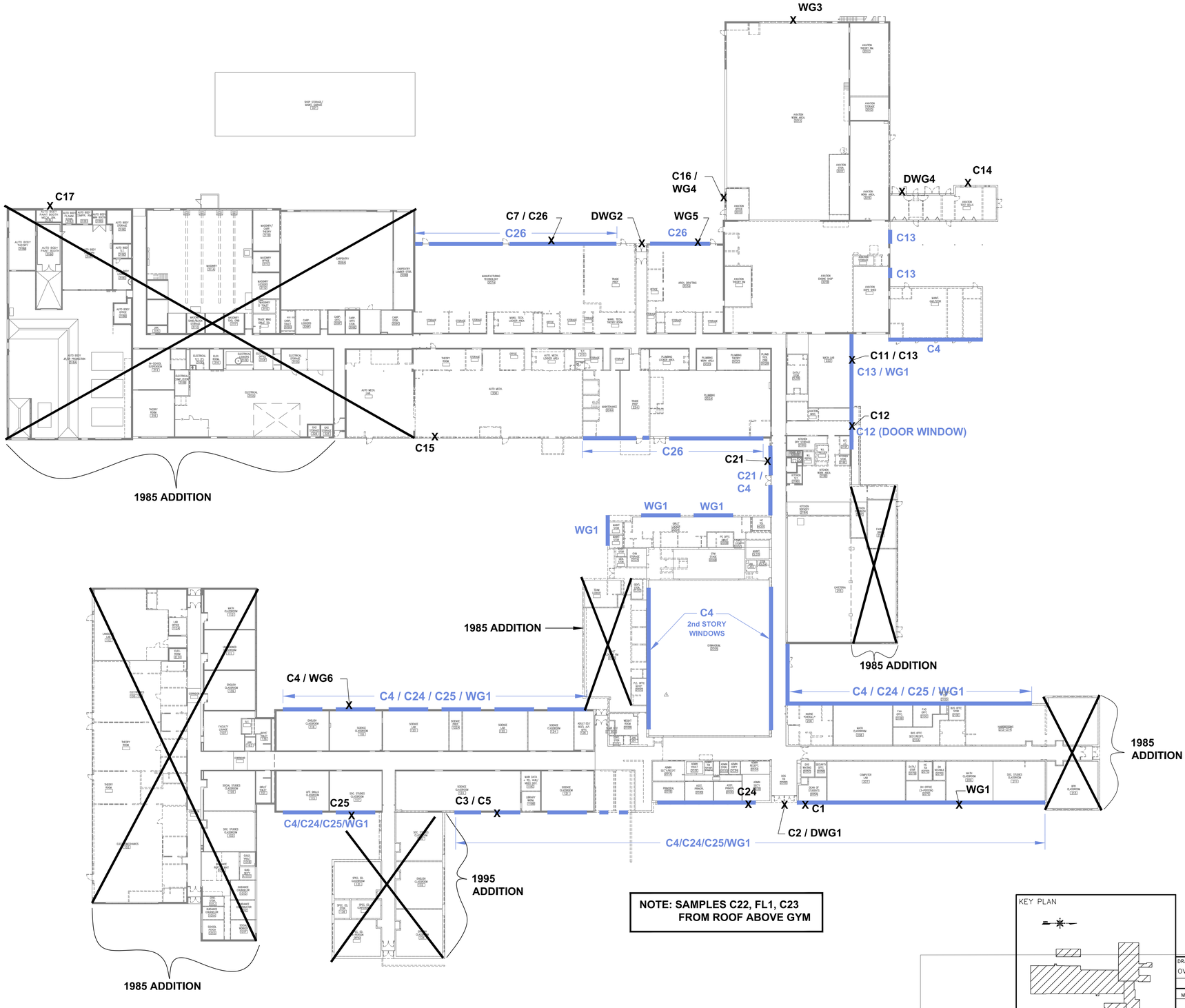
Rotameter H-18 (11-04-09).xls

APPENDIX D

DRAWINGS/FIELD SKETCHES

TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING CAULKS/GLAZES
ELLIS TECH
DANIELSON, CONNECTICUT

Sample No.	Homogeneous Material Type	General Location	Total PCB (ppms)
C1	Exterior hard gray bldg. caulk: (older)	Room 200,205,206,212,223,302,303,304,306,307 windows, gym windows	0.62
DWG1	Exterior black putty door window glaze (large, single pane)	Main entrance	ND<0.5
C2	Exterior white rubbery door frame caulk:	Main entrance, On A/C units outside room 115+124, 205-212	ND<0.5
C3	Exterior light gray putty window caulk:	Where metal frames intersect brick on windows outside Rooms 115+124, 205-212, main office area, aircraft 301, main office area, hallway next to 206	ND<0.5
WG1	Exterior/Interior hard gray window glaze	Windows in Rooms 115+124, main office area,200,205-212, 301, hallway next to 206	1.9
C4	Exterior beige rubbery caulk:	Around metal panel below windows outside Rooms 115+124, main office area,200,205-212, 301, hallway next to 206, Windows in hallway between room 200 and 218	1.2
C5	Exterior gray rubbery sticky caulk:	Around emergency windows outside Rooms 115+124,205-212,	0.9
C7	Exterior gray slightly rubbery building caulk:	Building joints outside Rooms 115,117, 126 and 121,201,202	ND<0.5
DWG2	Exterior black putty door window glaze (Single panel metal mesh window)	Exterior exit doors next to room 223 and 310	0.65
C11	Exterior hard gray/tan putty caulk:	Lower level boiler-windows/vents/door, room 301-interior/exterior windows & doors, north and south end of aircraft 301-doors	0.70
C12	Exterior brown rubbery caulk:	Interior/exterior of doors and windows of exit doors next to room 301	9.3
C13	Exterior light gray caulk:	Room 301 windows, north end aircraft 301-doors	2.9
C14	Exterior cream rubbery bldg caulk:	Aircraft 301-doors, vents and joints, aircraft 301 extension-doors, room 306-wall joints	0.5
DWG4	Exterior gray hard garage door window glaze (10 pane door)	Garage door on north end of Aircraft 301	ND<0.5
C15	Interior/exterior maroon rubbery window caulk:	Windows/metal panels – Aircraft 301 extension, room 306	ND<0.5
WG3	Interior/exterior gray brittle window glaze	Windows/metal panels – Aircraft 301 extension, room 306	ND<0.5
WG4	Exterior hard gray window glaze	Windows on large bay door - Aircraft 301 extension	ND<0.5
C16	Exterior yellow/cream door caulk:	Around metal panels & windows of large garage bay door - Aircraft 301 extension	ND<0.5
WG5	Interior/exterior white/cream window glaze	Lower metal windows an room 223, 224,302,303,304,306,307 and gym	ND<0.5
C17	Exterior white soft vent caulk:	Room 116-vent	ND<0.5
C21	Exterior black rubbery caulk:	Windows in hallway between room 200 and 218	12
C22	Exterior white rubbery roof building caulk:	Roof-above gym and room 304 area	ND<0.5
FL1	Exterior black flashing tar (caulk):	Roof-elevated gym windows along sill	ND<0.5
C23	Exterior white porcelery non-flexible caulk:	Roof-elevated gym windows	ND<0.5
C24	Interior tan hard window caulk:	Where metal frames intersect brick on windows inside Rooms 115-124, 205-212, main office area, aircraft 301, main office area, hallway next to 206	3.9
C25	Interior hard gray brittle caulk:	Metal panels between seams (interior side of windows with C4) (Around metal panel below windows inside Rooms 115-124, main office area,200,205-212, 301, hallway next to 206, Windows in hallway between room 200 and 218)	7.0
WG6	Interior black putty replacement window glaze	An occasional window in there general areas: Room 116-121, 301	0.54
C26	Interior/exterior gray seam caulk:	In-between metal frame seams of WG5 windows (Lower metal windows in room 223, 224,302,303,304,306,307 and gym)	1.37

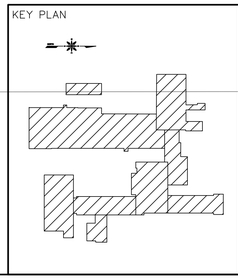


NOTE: SAMPLES C22, FL1, C23 FROM ROOF ABOVE GYM

LEGEND OF SYMBOLS

X C4	SAMPLE LOCATION
▬	CAULK >1 ppm AND < 50 ppm
XXX	CAULK < 1 ppm NOT SHOWN

KEY PLAN



1E OVERALL FIRST FLOOR PLAN
1" = 25'-0"

DRAWING TITLE: OVERALL FIRST FLOOR PLAN

REVISIONS

MARK	DATE:	DESCRIPTION

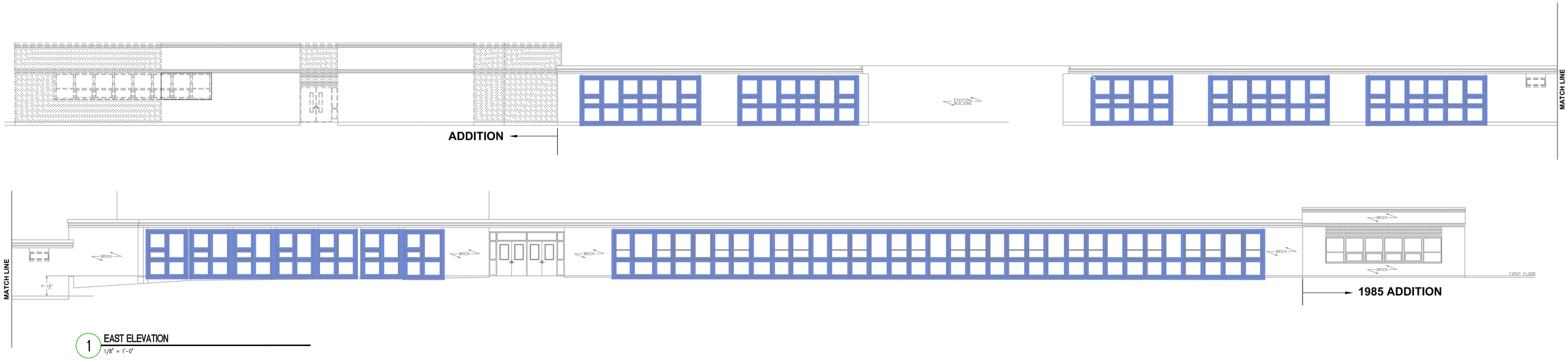
STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY:
TRC 21 Griffin Road North Windsor, CT 06095

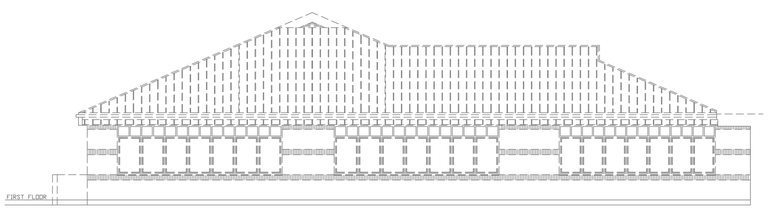
DATE: 10-29-10
SCALE: AS NOTED
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: PCB-1

PROJECT: PCB CAULK SAMPLE / MATERIAL LOCATIONS
H.H. ELLIS TECHNICAL SCHOOL
DANIELSON, CT

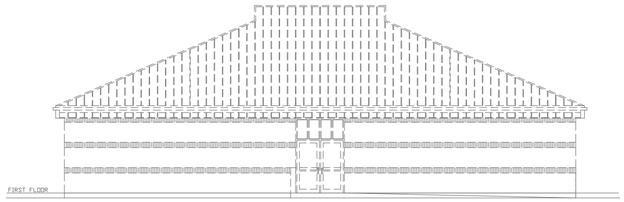
PROJECT NO:



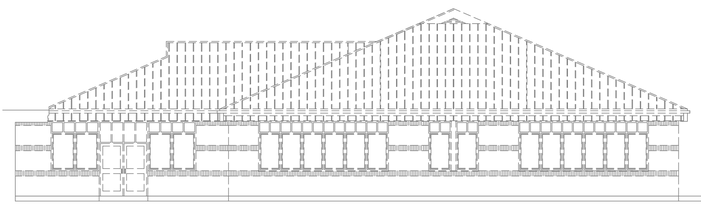
1 EAST ELEVATION
1/8" = 1'-0"



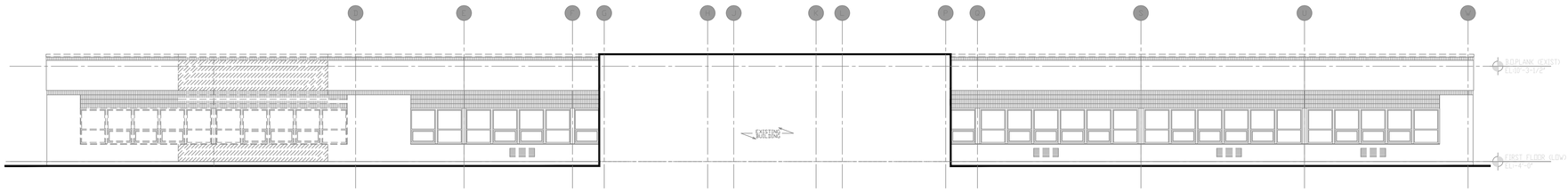
2 NORTH ELEVATION 1995 ADDITION
1/8" = 1'-0"



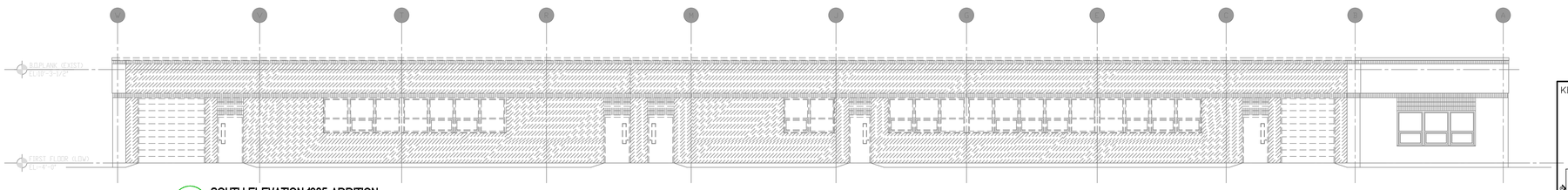
3 EAST ELEVATION 1995 ADDITION
1/8" = 1'-0"



4 SOUTH ELEVATION 1995 ADDITION
1/8" = 1'-0"

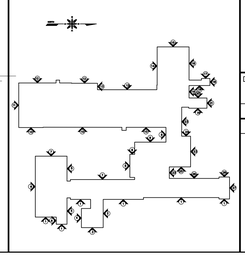


5 NORTH ELEVATION 1985 ADDITION
1/8" = 1'-0"



6 SOUTH ELEVATION 1985 ADDITION
1/8" = 1'-0"

KEY PLAN



LEGEND OF SYMBOLS

XXX	CAULK >1 ppm AND < 50 ppm

CAULK < 1 ppm NOT SHOWN

DRAWING TITLE:
BUILDING ELEVATIONS

REVISIONS

MARK	DATE:	DESCRIPTION

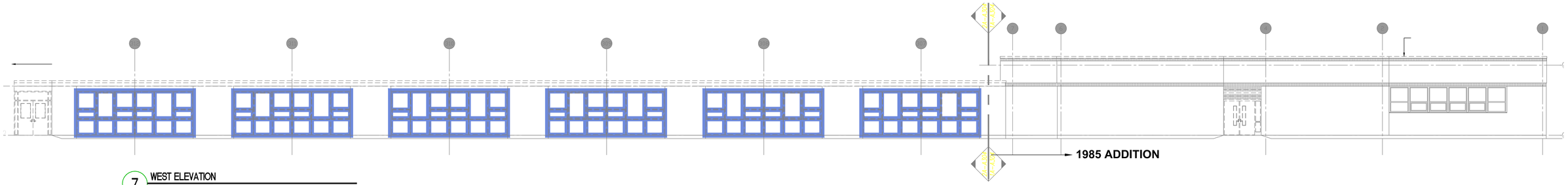
STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY:
TRC
21 Griffin Road North
Windsor, CT 06095

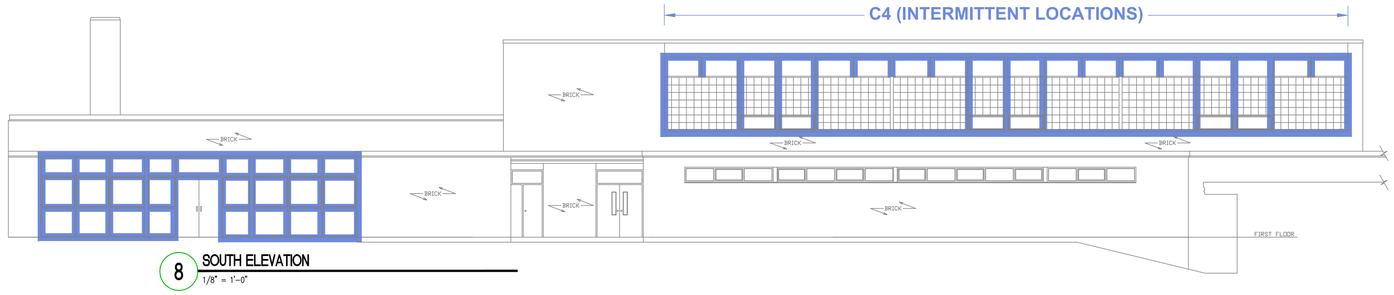
DATE: 10-29-10
SCALE: AS NOTED
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: PCB-2

PROJECT:
PCB CAULK SAMPLE /
MATERIAL LOCATIONS
H.H. ELLIS TECHNICAL SCHOOL
DANIELSON, CT

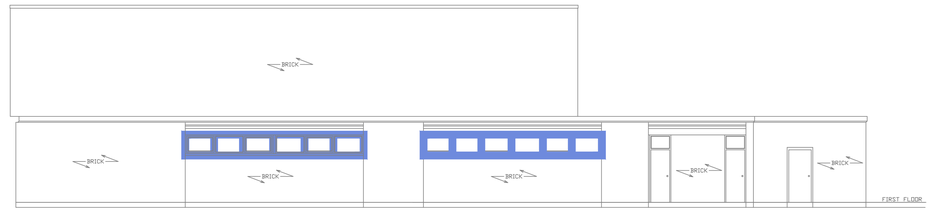
PROJECT NO:



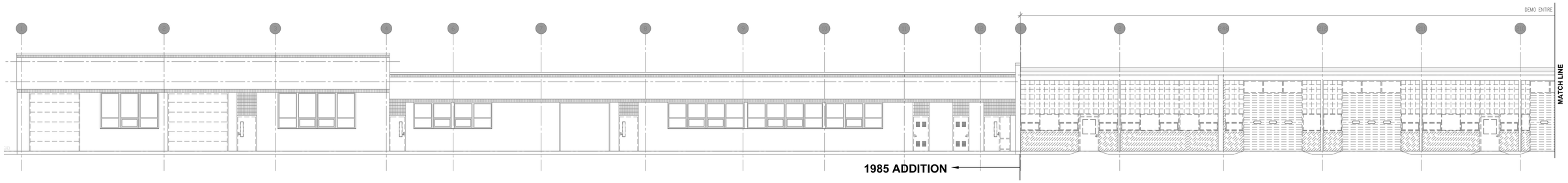
7 WEST ELEVATION
1/8" = 1'-0"

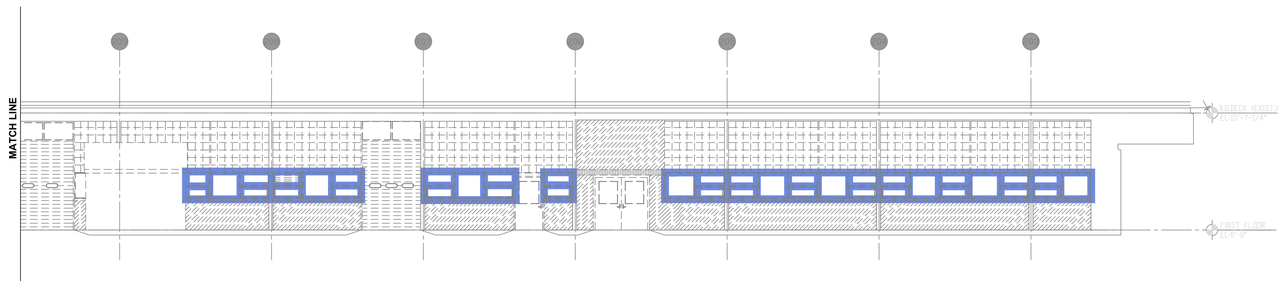


8 SOUTH ELEVATION
1/8" = 1'-0"

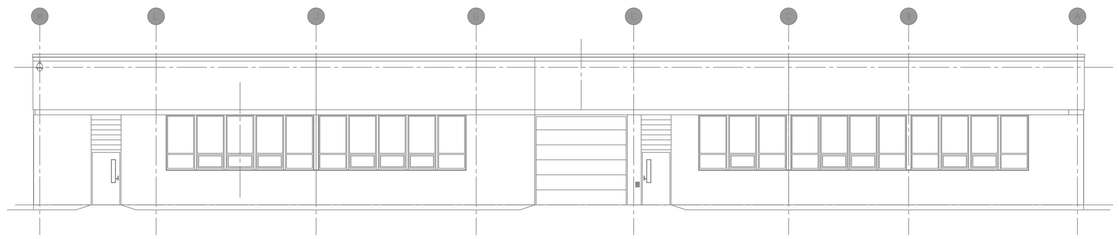


9 WEST ELEVATION
1/8" = 1'-0"

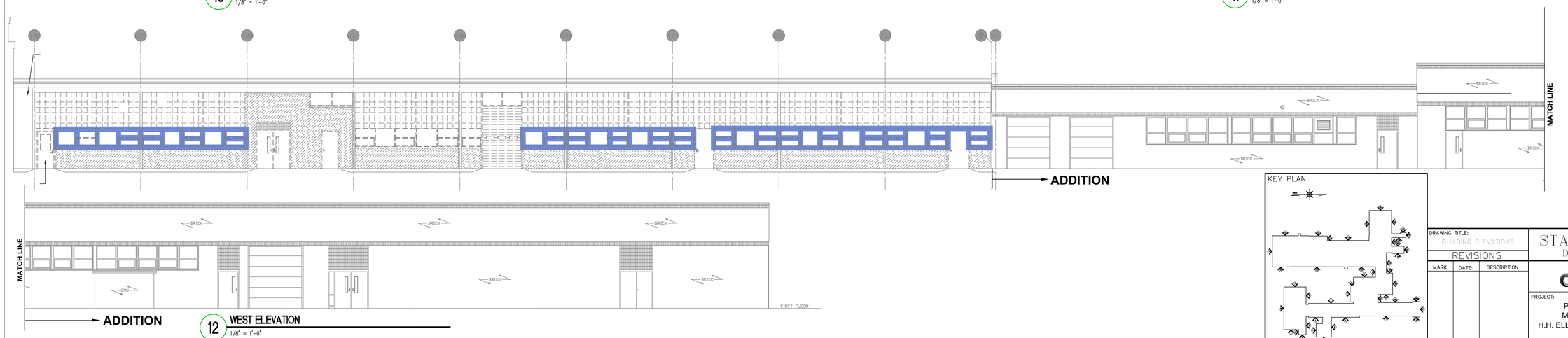




10 EAST ELEVATION
1/8" = 1'-0"



11 SOUTH ELEVATION 1985 ADDITION
1/8" = 1'-0"



12 WEST ELEVATION
1/8" = 1'-0"

KEY PLAN

LEGEND OF SYMBOLS	
XXX	CAULK >1 ppm AND < 50 ppm

CAULK < 1 ppm NOT SHOWN

DRAWING TITLE: BUILDING ELEVATIONS

REVISIONS

MARK	DATE:	DESCRIPTION

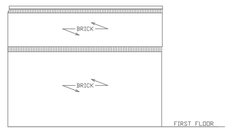
STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY:
TRC 21 Griffin Road North Windsor, CT 06095

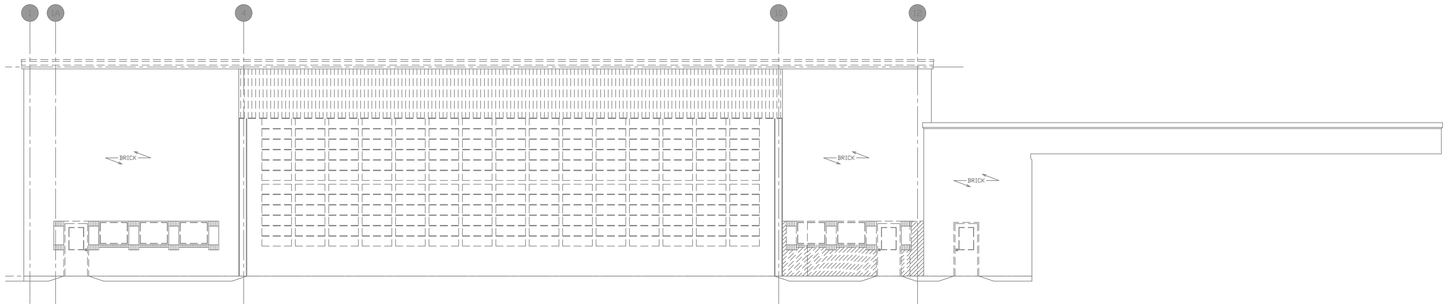
PROJECT:
PCB CAULK SAMPLE / MATERIAL LOCATIONS
H.H. ELLIS TECHNICAL SCHOOL
DANIELSON, CT

PROJECT NO:

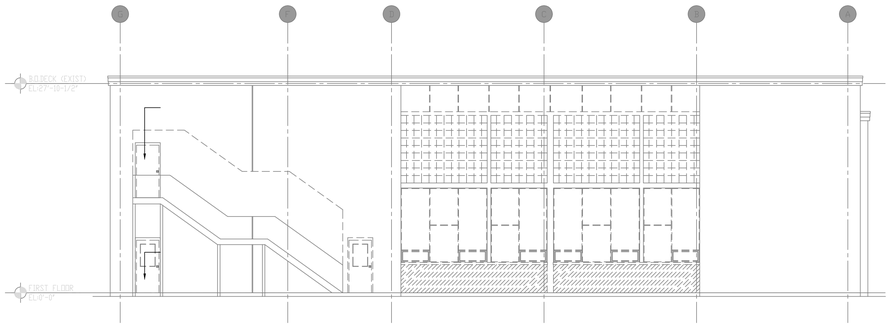
DATE: 10-29-10
SCALE: AS NOTED
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: PCB-3



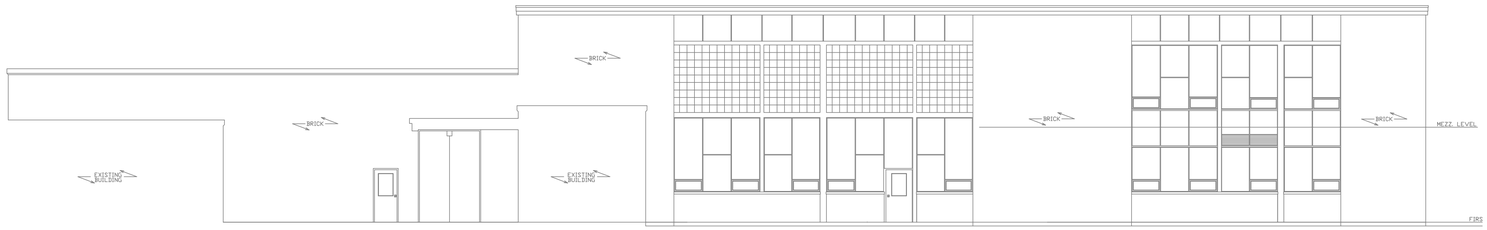
13 NORTH ELEVATION ADDITION
1/8" = 1'-0"



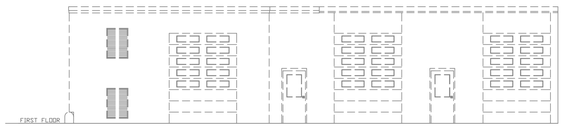
14 SOUTH ELEVATION (NO CAULK) 1 ppm)
1/8" = 1'-0"



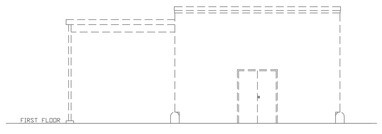
15 WEST ELEVATION (NO CAULK) 1 ppm)
1/8" = 1'-0"



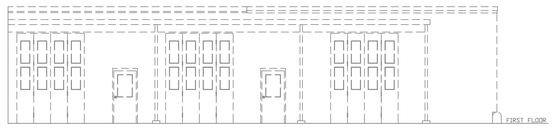
16 NORTH ELEVATION (NO CAULK) 1 ppm)
1/8" = 1'-0"



17 WEST ELEVATION (NO CAULK) 1 ppm)
1/8" = 1'-0"



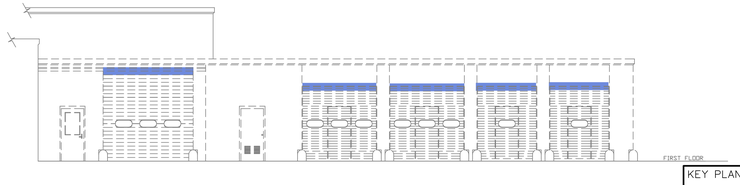
18 NORTH ELEVATION (NO CAULK) 1 ppm)
1/8" = 1'-0"



19 EAST ELEVATION (NO CAULK) 1 ppm)
1/8" = 1'-0"

20 WEST ELEVATION (NO CAULK) 1 ppm)
1/8" = 1'-0"

21 NORTH ELEVATION (NO CAULK)
1/8" = 1'-0"

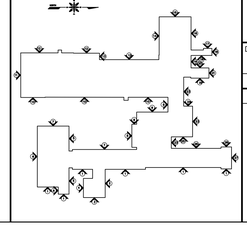


22 EAST ELEVATION
1/8" = 1'-0"

LEGEND OF SYMBOLS	
XXX	CAULK >1 ppm AND < 50 ppm

CAULK < 1 ppm NOT SHOWN

KEY PLAN



DRAWING TITLE: BUILDING ELEVATIONS

REVISIONS

MARK	DATE:	DESCRIPTION

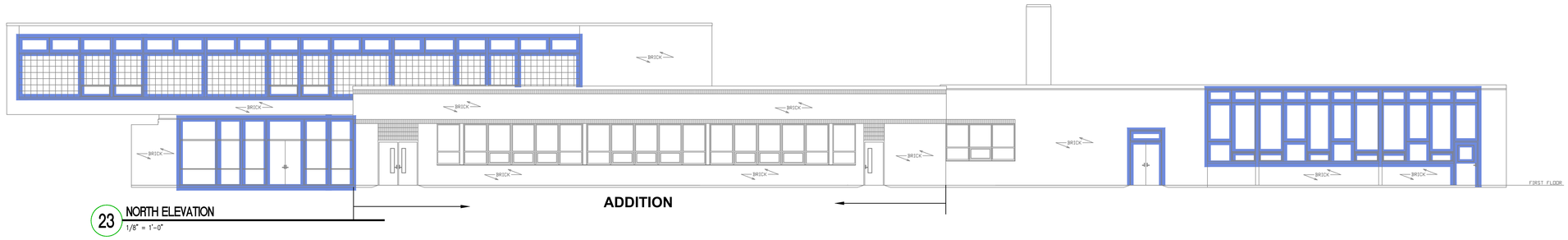
STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY:
TRC 21 Griffin Road North Windsor, CT 06095

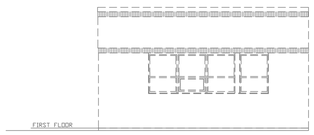
DATE: 10-29-10
SCALE: AS NOTED
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: PCB-4

PROJECT:
PCB CAULK SAMPLE / MATERIAL LOCATIONS
H.H. ELLIS TECHNICAL SCHOOL
DANIELSON, CT

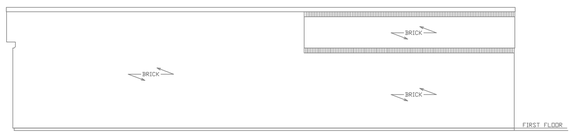
PROJECT NO:



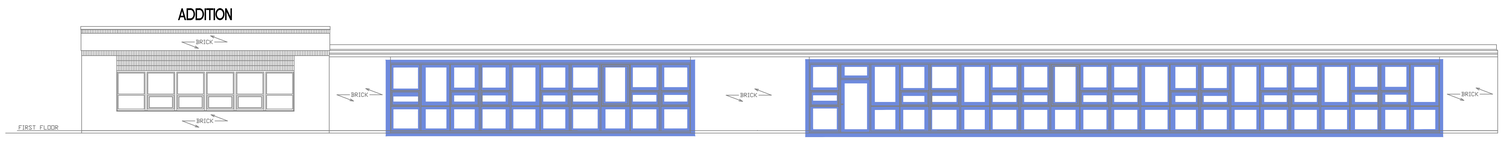
23 NORTH ELEVATION
1/8" = 1'-0"



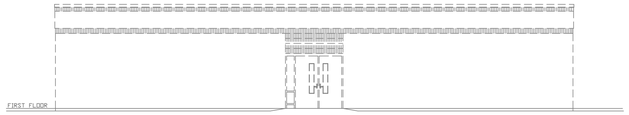
24 WEST ELEVATION ADDITION
1/8" = 1'-0"



25 EAST ELEVATION (NO CAULK)
1/8" = 1'-0"



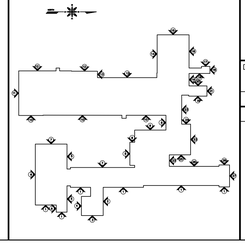
26 WEST ELEVATION
1/8" = 1'-0"



27 NORTH ELEVATION 1985 ADDITION
1/8" = 1'-0"

LEGEND OF SYMBOLS	
XXX	CAULK >1 ppm AND < 50 ppm

KEY PLAN



DRAWING TITLE:
BUILDING ELEVATIONS

REVISIONS

MARK	DATE:	DESCRIPTION

STATE OF CONNECTICUT
DEPARTMENT OF EDUCATION

DRAWING PREPARED BY:
TRC
21 Griffin Road North
Windsor, CT 06095

PROJECT:
PCB CAULK SAMPLE /
MATERIAL LOCATIONS
H.H. ELLIS TECHNICAL SCHOOL
DANIELSON, CT

PROJECT NO:

DATE: 10-29-10
SCALE: AS NOTED
DRAWN BY: REA
APPROVED BY: EP
DRAWING NO.: PCB-5

APPENDIX E

RELATED CORRESPONDENCE

Fact Sheet for Schools: Caulk containing PCBs may be present in older schools and buildings

Between 1950 and 1978, caulk containing potentially harmful PCBs (polychlorinated biphenyls) was used in many buildings, including schools. Although PCBs were banned in the United States in 1978, contaminated caulk still exists in older establishments that have not had the caulk replaced. PCB bioaccumulation in children can damage immune, reproductive, nervous, and endocrine systems.

Children can be exposed to PCBs by:

- Breathing in dust contaminated with PCBs
- Touching caulk and contaminated soil directly
- Putting their hands into their mouths after touching the caulk, soil, and surrounding building materials.

PCBs were not added to caulk after 1978. Therefore, in general, schools built after 1978 do not contain PCBs in caulk.

What are PCBs?

PCBs are organic chemicals that were used in construction materials and electrical products produced before 1978. Caulk containing these chemicals may still be present in older schools and buildings, sometimes at high levels. With increased awareness and cleanup efforts, PCB levels in the United States have decreased substantially.

How are people exposed to PCBs?

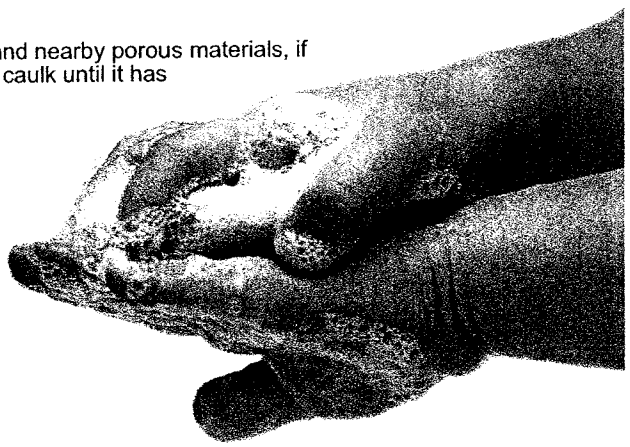
People whose workplaces and jobs involve working with PCB-laden objects or in PCB cleanup are at the highest risk for elevated exposure. Most people have some accumulation of PCBs in their bodies. Fish, meat, and dairy contain small amounts of PCBs. In fact, most peoples' exposure to PCBs is via the food chain. When products containing PCBs are disposed of improperly, PCBs can enter waterways and contaminate fish and other animals. Indoor air has been found to contain PCBs from some types of caulk in building materials. People can also be exposed to PCBs when handling PCB-containing products such as caulk.

Does the caulk in my home or other places contain PCBs?

PCBs in caulk have not been found in single-family homes. EPA has only found the chemical in caulk in large, older apartment complexes and some older buildings, such as schools.

What can I do about PCBs in schools?

If caulk containing PCBs is discovered, you should avoid direct contact with caulk and nearby porous materials, if possible. If caulk-containing PCBs are discovered, be sure to limit exposure to the caulk until it has been safely removed. Here are some ways for decreasing exposure:



- Keep children from touching caulk or surfaces near caulk.
- Clean frequently to reduce dust.
- Use wet cloths to clean surfaces.
- Use vacuums with HEPA filters.
- Wash children's hands with soap and water before eating.
- Wash children's toys often.
- Wash surfaces, window sills, walls, and objects often in rooms known to have PCB-containing caulk.
- Consider testing the air for PCBs or test the caulk if it is peeling or visibly deteriorating.
- Follow safe work practices when renovating.
- Improve ventilation by opening windows or adding exhaust fans.

What NOT to Do:

- Do not attempt to remove PCB-containing caulk by yourself. PCBs should be removed by personnel wearing protective equipment who follow procedures to minimize the spread of PCBs.
- Do not sweep with dry brooms or use dusters because they spread dust.

Are children in direct danger if their school has caulk containing PCBs?

PCBs accumulate in the body in high levels only after prolonged exposure to the chemical. Follow the recommended procedures to reduce exposure. Restricting children from areas where PCB-containing caulk is located, promoting safe work practices during renovation activities in schools, and removing caulk safely as part of a PCB removal or renovation project reduces the potential for exposure.

EPA is helping to address the issue of PCBs in caulk

EPA is conducting research on how the public is exposed to PCBs in caulk and on the best approaches for reducing exposure and potential risks associated with PCBs in caulk. Where PCBs have been found in caulk, EPA is committed to helping schools and communities enact plans to reduce exposure. Please contact your regional PCB coordinator at 888-835-5372 for help with assessing contamination and exposure and developing cleanup plans.

Contact

Call EPA's PCBs in Caulk Hotline: 888-835-5372 to learn more about PCBs in caulk and to get information on PCB professionals in your area.

EPA

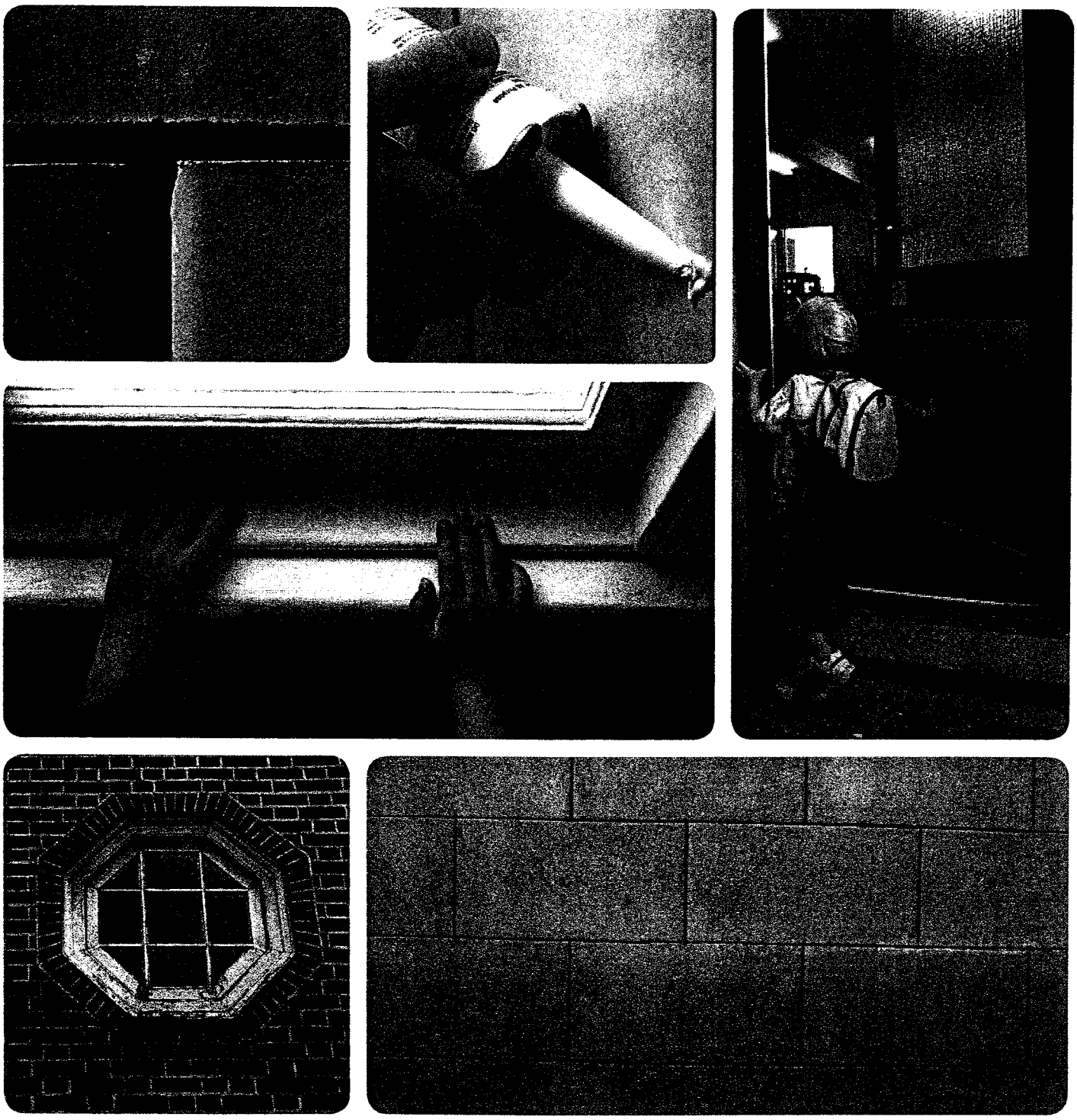
EPA-747-F-09-003

United States
Environmental Protection
Agency

EPA-747-F-09-005
September 2009

Office of Pollution Prevention and Toxics (7404)

EPA Preventing Exposure to PCBs in Caulking Material



PCBs are found in high levels in building caulk

Caulk containing high levels of PCBs (polychlorinated biphenyls) has been found in many schools and other buildings built or remodeled before 1978. Because PCBs can migrate from the caulk into air, dust, surrounding building materials, and soil, EPA is concerned about potential PCB exposure to building occupants.

Health impacts of PCB exposure

PCBs are man-made toxic chemicals that persist in the environment and bioaccumulate in animals and humans. PCBs were manufactured in the United States between 1950 and 1978, before their manufacture was banned by Congress due to concerns about their potential for adverse effects on human health and the environment. Exposure to PCBs can affect the immune system, reproductive system, nervous system, and endocrine system. In humans, PCBs are potentially cancer-causing.

Protect children and other building occupants

The preventive steps described below can help reduce exposure to PCBs in caulk until it can be removed.

- Improve ventilation and add exhaust fans.
- Clean frequently to reduce dust and residue inside buildings.
- Use a wet or damp cloth or mop to clean surfaces.
- Use vacuums with high-efficiency particulate air (HEPA) filters.
- Do not sweep with dry brooms and minimize the use of dusters.
- Wash hands with soap and water after cleaning and before eating or drinking, and wash children's toys often.

Test for PCBs in buildings built between 1950 and 1978

If school administrators and building owners are concerned about exposure to PCBs and wish to supplement these steps, EPA recommends testing to determine if PCB levels in the air exceed EPA's suggested public health levels. If testing reveals PCB levels above these levels, schools should attempt to identify any potential sources of PCBs that may be present in the building, including testing samples of caulk and looking for other potential PCB sources (e.g., old transformers, capacitors, or fluorescent light ballasts that might still be present at the school).

If elevated air levels of PCBs are found, schools should also have the ventilation system evaluated to determine if it is contaminated with PCBs. Although the ventilation system is unlikely to be an original source of PCB contamination, it may have been contaminated before other sources of PCBs were removed from the school and may be contributing to elevated air levels. Contaminated ventilation systems should be carefully cleaned. Ideally, such cleaning should be planned in concert with removal of any sources of PCBs that are found to avoid re-contamination of the system.

During the search for potential sources, schools should be especially vigilant in implementing practices to minimize exposures and should retest to determine whether those practices are reducing PCB air levels. EPA will assist in developing a plan to reduce exposure and manage the caulk. Your EPA regional PCB coordinator can direct you to a PCB testing lab; see the back cover for more information.

PCBs were not added to caulk after 1978. Therefore, in general, schools built after 1978 do not contain PCBs in caulk.

Avoid exposure to PCBs in building caulk

Caulk that is peeling, brittle, cracking, or deteriorating visibly in some way may have the highest potential for creating dust. In addition to inhalation from PCBs in the air or dust, exposure may occur when a person comes in contact with the caulk and any surrounding porous materials into which the PCBs may have been released (e.g., brick, concrete, wood). Exposure may also occur through contact with PCB-contaminated soil adjacent to buildings. Soil may become contaminated with PCBs when caulk weathers.

Protections during removals, renovations

Schools, building owners, and daycare providers in public and commercial buildings need to follow PCB-safe renovation practices to minimize potential exposures resulting from renovations to workers, teachers, and children.

It is important to manage the removal in a way that minimizes workers' exposure to the PCBs (e.g., use protective clothing such as facemasks, gloves, etc.) and prevents the release of PCBs into the environment. The work practices described below can help reduce exposure to PCBs in caulk until it can be removed.

In addition to the safeguards mentioned above:

- Wear appropriate protective clothing when conducting cleanup activities.
- Dispose of all cleanup materials (mops, rags, filters, water, etc.) in accordance with all federal, state, and county regulations.
- For caulk used on windows, walls, columns, and other vertical structures that people may come into contact with, use heavy-duty plastic and tape to contain the area so that caulk or dust and debris from the surrounding masonry do not escape. The plastic should cover the caulk and surrounding areas of masonry.

EPA is helping to address the issue of PCBs in caulk

EPA is conducting research on how the public is exposed to PCBs in caulk and on the best approaches for reducing exposure and potential risks associated with PCBs in caulk. Where PCBs have been found in caulk, EPA is committed to helping schools and communities enact plans to reduce exposure. Please contact your regional PCB coordinator at 888-835-5372 for help with assessing contamination and exposure and developing cleanup plans.

Summary

EPA is particularly concerned when PCBs are present during renovation or remodeling activities because these activities increase the potential likelihood of exposure.

- Keep people out of areas where cracked or peeling caulk is evident such as in playgrounds and near steps.
- Promote safe work practices during renovation activities.
- Take actions to safely remove caulk during PCB removal or renovation projects and undertake and complete the work in a timely fashion.

Reducing Potential Exposures to PCBs from Caulk in Schools and Other Buildings

Points to Remember

1. EPA is concerned about potential exposure to PCBs (polychlorinated biphenyls) in caulk found in older schools and buildings. Consider testing for PCBs by having your air monitored or test the caulk if it is peeling or visibly deteriorating. Call EPA's PCBs in Caulk Hotline at 888-835-5372 to find a PCB testing lab.

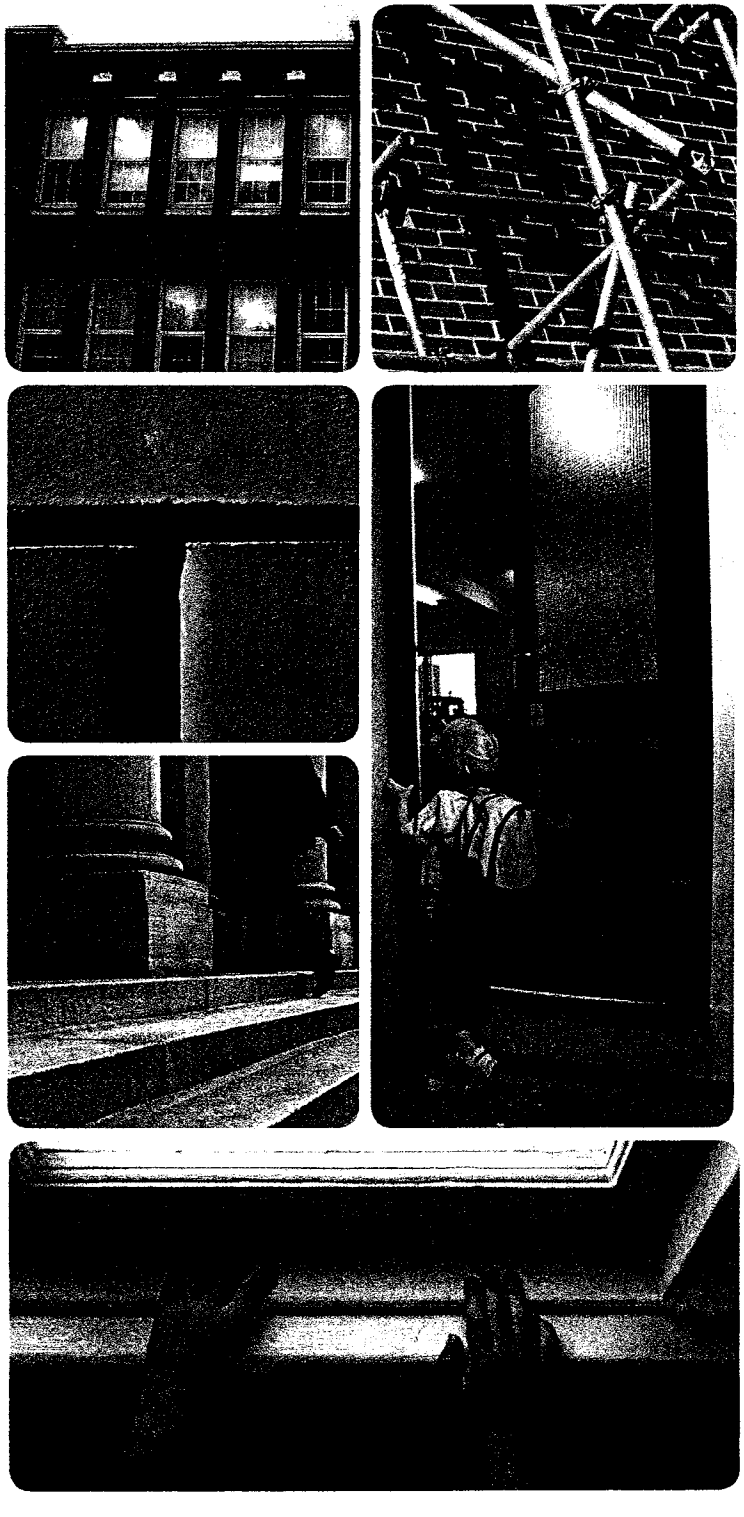
2. Call 888-835-5372 or visit http://www.epa.gov/pcbsincaulk to find your EPA regional PCB coordinator.

3. Talk to your EPA regional PCB coordinator who will provide you with simple actions to take today, and longer term actions for removing the sources of PCBs including developing a cleanup plan.

4. Prioritize where you should first concentrate work.

5. Implement the plan.

6. Retest and monitor for PCBs in the air once removal is complete.



For more information

http://www.epa.gov/pcbsincaulk/
EPA's PCBs in Caulk Hotline: 888-835-5372

Connecticut Technical High School System

H.H. Ellis
Technical High School

613 Upper Maple Street, Danielson, CT 06239
Telephone: (860) 774-8511, FAX: (860) 779-1563

Main Page
About us
Technologies
Academics
Supplemental Programs
School Counseling and Admissions
Student Activities
School Nurse
Library Media Center
Athletics
Photo Gallery
Alumni News
Directions to the School
Privacy Policy
E-mail us

Connecticut State Dept. of Education

Harvard H. Ellis Technical High School

Administrative Office

February 5, 2010

Dear Parents of Ellis Tech Students:

On September 25, 2009, the federal Environmental Protection Agency (EPA) issued preliminary guidance for administrators and building managers on managing PCBs (polychlorinated biphenyls) in window and door caulk used in many buildings, including schools, built in the 1950's through 1978. PCB's can migrate from the caulk into air, dust, surrounding building materials, and soil, and, in some rare instances, may expose building occupants to potential harmful effects. Noting that the research on this phenomenon was still in its infancy, the EPA suggested a number of procedures for building managers to follow to minimize risks to the occupants of buildings constructed during this time period.

As a precaution, in October 2009, CTHSS's Consultant for Environmental Health and Safety began the multi-step approach recommended by EPA to determine if PCBs were present in any of our district's schools. The first phase of testing the caulk in four of our older, unrenovated buildings has been completed and we will now begin the second phase of checking the air quality throughout these buildings. Our school is among the first to go through this process, with other unrenovated buildings in the district slated to undergo similar analyses in the weeks ahead. Our purpose is to be proactive and to do everything necessary to ensure the health and safety of your student.

Please know that we will complete the air testing over the weekend and will share our results once they become available, which is anticipated within the next two weeks. Guidance from EPA and the Department of Public Health (DPH) indicates that there is no reason at this time to change activity in the building and that the results of air sampling will provide a more detailed level of information to guide us in remedying any problems, if any are detected.

As CTHSS responds to EPA's new guidance, know that we will continue to keep you informed. We are working in concert with EPA best practices, the DPH and Connecticut Occupational Safety and Health Administration (OSHA) officials. We want to reassure you that the health and safety of all students and staff is our first priority, always.

Please don't hesitate to contact me with your questions or concerns.

Sincerely,

Brian K. Mignault, Sr., Ph.D.
Principal
H. H. Ellis THS

PART 1 - GENERAL

1.1 GENERAL REQUIREMENTS

A. Examine all conditions as they exist at the project prior to submitting a bid for the work of this Section. Sampling of glazing and/or caulking has determined that polychlorinated biphenyls (PCB) are present in select caulking and glazing at levels greater than or equal to 1 ppm (mg/Kg) to less than 50 parts per million (mg/Kg). The caulk and glazing sealants that contain PCB in concentrations ranging from ≥1 mg/Kg and < 50 mg/Kg are classified as Excluded PCB Products, in accordance with the Toxic Substance Control Act (TSCA) pursuant to Federal regulation 40 CFR 761.

B. This Section establishes requirements for the removal, segregation, management, and disposal of Excluded PCB Products primarily in the form of sealants (e.g. caulking and glazing).

C. Excluded PCB Products shall be removed and disposed of as Connecticut Regulated Waste.

D. PCB removal, segregation, management, and disposal work referenced herein shall be performed in accordance with a Health and Safety Plan (HASP) developed by the Contractor in accordance with Occupational Safety and Health Administration (OSHA) regulations, and any other applicable federal, state, or local regulations. All workers who will wear respirators must have Respiratory Protection training accordance with 29 CFR 1910.134. Workers handling Excluded PCB Product on-Site will be 40-hour HAZWOPER trained, or Consultant approved equivalent. Nothing in this Section shall be deemed to relieve the General Contractor and the PCB Abatement Contractor, or other approved properly trained contractor, from any liability with respect to any such legal requirements or requirement of prudent conservative practice.

E. All equipment and tools shall be provided to the Site free of contamination. The Consultant retains express authority to prohibit from the Site any equipment that in his/her opinion has not been thoroughly decontaminated prior to arriving at the Site. Any decontamination of the Contractor's equipment prior to arrival at the Site shall be at the expense of the Contractor. The Contractor is prohibited from decontaminating equipment on the Site which is not thoroughly decontaminated upon arrival.

F. The work area will be demarcated with caution tape and signage at a distance to keep unauthorized workers and visitors out of the work area. A tool drop zone and personal decontamination facility will be established contiguous to the work zone. A clean zone will be established along with waste stream pathways.

G. Excluded PCB Products shall be abated from surrounding porous surfaces (i.e., concrete and brick) and non-porous surfaces (i.e., glass and metal) prior to disposal. In the case of glazing, removal of all or portions of a window section or sections may be employed if it is determined to be economical to remove the entire section(s) as Excluded PCB Product.

H. The Contractor shall provide all drums, overpack drums, storage containers and related products and materials required for collecting, storing, and transporting the PCB-containing waste in compliance with CTDEP, U.S. EPA, and U.S. Department of Transportation (DOT) requirements. All drums shall meet the requirements of DOT 49 CFR 173.

I. The Consultant will render certain technical services during the Work, including without limitation, the services described within this Section. All services performed by the Consultant shall be considered advisory to, and for the sole and exclusive benefit of the Owner. The Contractor, acknowledges that the Consultant is an independent contractor of the Owner and agrees that no act or omission by such Consultant, and no communication by said Consultant, shall be deemed in any manner to alter or modify the terms of this Contract, or to waive any provision hereof, or to bind Owner, unless specifically agreed upon by Owner in a signed written instrument.

1.2 DEFINITIONS

A. The following definitions shall be applicable to this Section:
1. United States Environmental Protection Agency (EPA): Agency responsible for implementing PCBs Manufacturing, Processing, Distribution in Commerce, And Use Prohibition, 40 CFR 761 ("TSCA") regulations.
2. PCB Abatement Contractor ("Contractor"): The contractor performing the PCB abatement work as outlined by this Section.
3. Excluded PCB Product. Building materials found to contain < 50 ppm PCB and not impacted by a PCB Bulk Product Waste as defined in 40 CFR 761.3. For the purposes of this project, Excluded PCB Product shall include caulk and window glazing previously determined to contain PCBs in concentrations ranging from ≥1 mg/Kg to < 50 mg/Kg.
4. Consultant: Responsible for overseeing PCB abatement work and for performing and evaluating verification sample data on behalf of the Owner. The Consultant shall be represented daily onsite by the Project Monitor.

1.3 REFERENCES

A. The current issue of each document shall govern. Where conflict among requirements or with these specifications exists, the more stringent requirements shall apply.
1. Environmental Protection Agency (EPA)
   a. 40 CFR 260 - General Regulations for Hazardous Waste Management
   b. 40 CFR 261, 262 and 263 - Regulations for Identifying Hazardous Waste, Hazardous Waste Generators and Hazardous Waste Transporters
   c. EPA, 40 CFR 264 - Regulations for Owners and Operators of Permitted Hazardous Waste Facilities
   d. 40 CFR 265 - Interim Status Standards for Owners and Operators of Permitted Hazardous Waste Facilities
   e. 40 CFR 266 - Standards for Management of Specific Hazardous Wastes and Facilities
   f. 40 CFR 267 - Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities
   g. 40 CFR 700 – Toxic Substances Control Act (TSCA)
   h. 40 CFR 761 – Polychlorinated Biphenyls (PCB's) Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions
2. Occupational Safety and Health Administration (OSHA)
   a. 29 CFR 1910.120 - Hazardous Waste Operations and Emergency Response
   b. 29 CFR Part 1926 - Safety and Health Regulations for Construction
3. U.S. Department of Transportation (U.S. DOT)
   a. 49 CFR 171-180 - Hazardous Materials Regulations Relating to Transportation
   b. 49 CFR Subtitle B Parts 100-185 - Regulations Relating to Transportation

4. American National Standards Institute (ANSI)
   a. Z88.2-1992 - Practices for Respiratory Protection
5. State of Connecticut, Department of Environmental Protection (DEP)
   a. Section 22a-209-1 through 22a-209-16 - Solid Waste Management Regulations.
   b. Sections 22a-449(c)-100 through 22a-449(c)110 and 22a-449(c)-11 - Hazardous Waste Management.

1.4 SUBMITTALS

A. Prior to the start of work included in this Section, prepare and submit the following items. Do not commence work activities until the submittals are approved.
   1. Site-specific Health and Safety Plan (HASP): Developed in accordance with Occupational Safety and Health Administration (OSHA) regulations and any other applicable federal, state, or local regulations.
   2. Licenses and Permits: Licenses and permits required for complying with any applicable federal, state and local laws, codes, policies and regulations in connection with the work or waste disposal outlined in this Section at least 5 business days prior to the start of the work outlined in this Section.
   3. Schedule: Provide a work schedule at least 15 business days prior to the start of work outlined in this Section.
   4. At least seven (7) days prior to performing any abatement work that shall generate PCB wastes, the Contractor shall submit copies of the State-approved permits for the proposed disposal facility and a waste profile approved by the proposed disposal facility indicating that the waste materials to be generated are acceptable to the facility.
   5. No abatement shall commence until a copy of all required submittals have been received and found acceptable to the Owner and the Consultant.

B. At completion of the work included in this Section, prepare and submit the following items.
   1. Waste Profiles: All waste profiles, applications and questionnaires, prior to forwarding them to the party requiring these documents at least 5 business days prior to removal of waste materials generated by the work of this Section.
   2. Shipping Papers: Any manifests or other documents required to transport and dispose of the items identified in this Section. The Contractor shall not transport or dispose of any materials until authorized by the Owner. Completed copies of all manifests and other applicable documents and certified scale weight receipts, as applicable, must be furnished to the Owner and Consultant as part of the Report.
   3. Work Method Changes: Significant changes to the means and methods that conflict with this Section require a written request to the Owner for review and approval at least 15 days prior to making change.
   4. PCB Completion Report: Within forty-five (45) days after completion of the work covered under this Section, the Contractor shall submit a PCB Completion Report that summarizes and documents the removal and disposal of all materials associated with activities outlined in this Section. The report shall be a prerequisite for final payment for work covered under this Section. At a minimum the report shall include the name of the disposal facility, a summary of materials disposed and a copy of the manifest, Certificates of Disposal and other applicable documentation.

1.5 QUALITY ASSURANCE

A. Remove Excluded PCB Product prior to renovation and/or demolition activities. Excluded PCB Product shall be abated from surrounding porous surfaces (i.e., concrete and brick) and non-porous surfaces (i.e., glass and metal). In the case of glazing, removal of all or portions of a window section or sections may be employed if it is determined to be economical to remove the entire section(s) as Excluded PCB Product.

B. The Consultant will visually inspect areas of Excluded PCB Product abatement to confirm adequate removal prior to renovation, demolition and disposal. The Owner's right to conduct inspections does not relieve the Contractor of this responsibility. Neither the Owner, nor their authorized representatives' failure to make such inspection, nor failure to discover nonconforming services, will impose any liability on the Owner or their authorized representatives, nor shall it prejudice the rights of the Owner thereafter to reject services, and shall not relieve the Contractor of its obligation to perform work strictly in accordance with the contract and applicable local, state and federal regulations.

1.6 WORK INCLUDED

A. The intent of this Section is to identify for the Contractor where PCB have been confirmed to exist and the applicable regulatory responsibilities the Contractor shall comply with in order to perform the renovation and demolition work and remediation of contaminated building materials. Health and safety concerns, disposal requirements, worker training and demolition procedures are described in this Section.

B. Based on sampling performed, sealant materials in the form of caulk and glazing are located in window systems and doors in certain areas of the building with PCB concentrations less than 50 ppm, thereby classifying this material as an Excluded PCB Product.

C. Reports prepared delineating testing for PCB are included at the end of this section. These reports include bulk sampling of caulk, glazing and expansion joint filler materials suspected to contain PCB. In addition, sampling results for porous substrate from areas surrounding bulk material with PCB concentrations greater than or equal to 1 ppm and less than 50 mg/Kg and soil sampling adjacent to the building are provided in the reports.

D. In general, the following activities are minimum requirements of this Section and affect the demolition performed on building components containing PCB:
   1. All field activities, material removal and material disposal shall be performed in general accordance with applicable 40 CFR 761 Regulations.
   2. No torch cutting, mechanical sanding or stripping, or abrasive methods of removal of Excluded PCB Product shall be performed.
   3. No demolition activities shall occur that can reasonably be expected to increase the worker’s exposure above the Permissible Exposure Limit (PEL) for PCBs unless certain worker protection is implemented.
   4. Workers shall be informed of the PCB building components to be removed.
   5. At a minimum, worker protection shall comply with applicable OSHA standards. Worker Right to Know and Health and Safety Standards included in 29 CFR Part 1926 shall also apply to the work of this Section.
   6. Unprotected, untrained workers or trades shall not perform any related work within or adjacent to work areas involving Excluded PCB Product.

1.7 RELATED WORK

A. Materials to be managed in accordance with this specification may also contain asbestos and/or lead. The requirements for managing these contaminants as specified in other technical specification sections must be followed in addition to those presented here.
   1. This specifically applies to health and safety, work zone containment, work zone posting and waste storage, shipping papers, transportation and disposal.
   2. When there is a conflict, the most stringent requirements shall apply.
   3. When there is a conflict regarding surface preparation (e.g. etching, drilling, cutting, sanding, washing or other activities that will generate dust or building debris) and waste management, the requirements of this Section shall prevail.

1.8 REGULATORY REQUIREMENTS

A. The work of this Section shall be performed in accordance with the PCB Abatement and Remediation Plan (PARP). Work shall also be performed in accordance with applicable federal, state, and local regulations, laws, codes, and ordinances, including EPA requirements, governing the removal, handling, transportation, and disposal of materials managed under this Section.

B. Contractor is solely responsible for obtaining all federal, state, and local permits or approvals which may be required to perform the work of this Section, including all costs, fees and taxes required or levied. Contractor shall adhere to all permit/approval requirements.

C. Contractor shall comply with all applicable federal, state, and local environmental, safety and health requirements regarding the demolition of structures or other Site features and recycling or disposal of demolition debris, as applicable.

D. The Contractor shall document that the disposal facility(ies) proposed have all certifications and permits as required by federal, state and local regulatory agencies to receive and dispose of the materials managed under this Section. Note that some materials to be managed may contain PCBs (at concentrations less than 50 ppm), asbestos and/or lead.

E. The following regulations are cited for information and guidance. The list below is not all-inclusive. The Contractor shall be responsible for a thorough knowledge and full implementation of all requirements for removal, transportation, and disposal of the materials managed under this Section.
   1. PCBs Manufacturing, Processing, Distribution in Commerce, And Use Prohibition, 40 CFR 761 (“TSCA”).
   2. Hazardous Waste Operations and Emergency Response, Federal Occupational Safety and Health Act (OSHA), 29 CFR 1910.120.
   3. Safety and Health Regulations for Construction, OSHA 29 CFR Part 1926.
   4. General Regulations for Hazardous Waste Management, EPA, 40 CFR 260.
   5. Regulations for Identifying Hazardous Waste, Hazardous Waste Generators and Hazardous Waste Transporters, EPA, 40 CFR 261, 262 and 263.
   6. Regulations for Owners and Operators of Permitted Hazardous Waste Facilities, EPA, 40 CFR 264.
   7. Interim Status Standards for Owners and Operators of Permitted Hazardous Waste Facilities, EPA. 40 CFR 265.

8. Standards for Management of Specific Hazardous Wastes and Facilities, EPA, 40 CFR 266.
9. Interim Standards for Owners and Operators of New Hazardous Waste Land Disposal Facilities, EPA, 40 CFR 267.
10. Hazardous Materials Regulations Relating to Transportation, 49 CFR 171-180 – U.S. Department of Transportation (U.S. DOT).
11. Regulations Relating to Transportation, 49 CFR Subtitle B Parts 100-185 – U.S. Department of Transportation (U.S. DOT).
12. Publications, Practices for Respiratory Protection, z88.2-1992 - American National Standards Institute (ANSI).
13. Hazardous Waste Management, Section 22a-449(c)-100 through 22a-449(c)110 and 22a-449(c)-11, Connecticut Department of Environmental Protection.
14. Solid Waste Management, Section 22a-209-1 through 22a-209-16, Connecticut Department of Environmental Protection.

F. The following documents are cited for information and guidance. The list below is not all-inclusive. The Contractor shall be responsible for a thorough knowledge and full implementation of all requirements for removal, transportation, and disposal of the materials managed under this Section.
1. Contractors Handling PCBs in Caulk During Renovation; EPA, EPA-747-F-09-004.
2. Preventing Exposures to PCBs in Caulking Material; EPA, EPA 747-F-09-005 (September 2009).

1.9 SEQUENCE OF WORK

A. Work shall be divided into convenient Work Areas, each of which is to be completed as a separate unit. The following sequence of work shall be used for the PCB abatement work:
1. Release of work area to the Contractor, to ensure no conflicts with school occupancy.
2. All temporary utilities required for the project shall be on site and operational prior to the initiation of abatement work.
3. Abatement of all Excluded PCB Product by the Contractor.
4. Visual inspection by the Consultant to verify satisfactory completion of Excluded PCB Product removal.

1.10 DELIVERY, STORAGE AND HANDLING

A. Deliver all materials in the original packages, containers, or bundles bearing the name of the manufacturer and the brand name and product technical description. Do not use damaged or deteriorating materials. Material that becomes contaminated with PCB shall be decontaminated or disposed of as Excluded PCB Product.

1.11 PCB COORDINATION

A. Extend full cooperation to the Owner and the Consultant in all matters involving the use of the Site. At no time shall the Contractor cause or allow to be caused conditions, which may cause risk or hazard to the general public, or conditions that might impair safe use of the Site.

B. Coordinate the work of this Section with that of all other trades at the express consent of the Owner and Consultant. Phasing and scheduling of this project will be subject to the approval of the Owner and Consultant. The work of this Section shall be scheduled and performed so as not

to impede the progress of the project as a whole. Work shall not proceed in any area without the express consent of the Owner and Consultant. The Contractor shall be available within 24 hours notice for additional work if after acceptance of the work it is found that full abatement was not achieved from the initial work effort as determined by the Owner or Consultant.

C. Complete activities described in this Section in the phases of the final schedule agreed upon by the Owner and Consultant.

1.12 SCHOOL OCCUPANCY REQUIREMENTS

A. No PCB removal activities are permitted during regular school hours or when the school is occupied by students/children. Work shall be scheduled during school vacations, when school is not in session. Coordinate and schedule the work with the Owner and Consultant.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Contractor shall be responsible for providing all material and protective equipment required for performance of the work. Contractor shall comply with all local, state and federal regulations pertaining to the selection and use of materials and equipment on this project.

B. Warning Signs and Labels – Work areas shall be properly demarcated and posted in accordance with OSHA and TSCA requirements. Labels and signs shall conform to EPA Standard 40 CFR 761.40, OSHA 26 CFR 1926, and DOT 49 CFR 172.

C. Fire retardant polyethylene sheet in roll size to minimize the frequency of joints shall be delivered to job site with factory label indicating four (4) or six (6) mil.

D. Tape shall be capable of sealing joints in adjacent polyethylene sheets and for attachment of polyethylene sheet to finish or unfinished surfaces. Tape must be capable of adhering under both dry and wet conditions.

E. Containers must be impermeable and shall be both air and watertight. Containers shall be labeled in accordance with OSHA Standard 29 CFR 1926, EPA 40 CFR Part 761, and USDOT 49 CFR Part 172 as appropriate.

2.2 TOOLS AND EQUIPMENT

A. Tools and equipment shall be suitable for removal of PCB-containing caulks and glazing.

B. Protective clothing, respirators, filter cartridges, air filters and sample filter cassettes shall be provided in sufficient quantities for the project.

C. Electrical equipment, protective devices and power cables shall conform to all applicable codes.

D. Shower stalls and plumbing shall include sufficient hose length and drain system or an acceptable alternate. Showers shall be equipped with hot and cold or warm running water. One shower stall shall be provided for each eight workers.

E. 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 0.3 microns in diameter or larger.

F. Ladders and/or scaffolds shall be of adequate length, strength and sufficient quantity to support the work schedule.

G. Other materials such as lumber, nails and hardware necessary to construct and dismantle the decontamination enclosures and the barriers that isolate the Work Area shall be provided as appropriate for the work.

PART 3 - EXECUTION

3.1 SEQUENCING

A. The following is a typical sequence of work that shall be adhered to by the Contractor during the PCB abatement project. Consultant may authorize deviations from this typical sequence based upon the specific conditions encountered during the project.
   1. Post all required signage. This is in addition to asbestos and lead-containing material related requirements.
   2. Establish and secure active work area and waste storage area from unauthorized access.
   3. Construct containment, decontamination units and any other construction needed to complete the work area to the satisfaction of Consultant.
   4. Consultant shall inspect and approve work area preparations before permitting Contractor to begin removal work.
   5. Contractor shall remove and dispose all Excluded PCB Product as required by this Section. This will include:
      a. Excluded PCB Product sealant associated with windows,
      b. Excluded PCB Product sealant associated with Doors.
   6. Clean areas where Excluded PCB Product is removed.
   7. Manage Excluded PCB Product as Connecticut Regulated waste.
   8. Consultant shall perform a final visual inspection to assure that no visible PCB-containing debris exists in the work area. Contractor shall re-clean the work areas as needed until they pass a visual and physical inspection by Consultant. This will include wipe sampling of select areas.
   9. Clean surfaces in contact with Excluded PCB Product.
   10. Manage all waste materials in accordance with this specification.
   11. Remove all work area barriers, equipment, polyethylene sheeting, etc. and clean any areas to the satisfaction of Consultant and/or Owner.

3.2 ABATEMENT METHODS

A. Demarcate the work area and post signage at a distance to keep unauthorized workers and the public out of the work area. A tool drop zone and personal decontamination area will be established contiguous to the work zone. A clean zone will be established along with waste stream pathways.

B. Establish a decontamination area for workers to properly don and doff protective equipment and decontaminate when entering and leaving the work zone. Decontamination of personnel and

equipment is required after performance of activities where PCB containing material is handled. The personnel decontamination area may be in the form of a mobile trailer or field station. Personnel decontamination shall, at a minimum, consist of: decontamination before breaks and each time workers exit the exclusion zone, and at the completion of each work day to prevent worker exposure and the spread of contaminants off Site.

C. Inspect area for sealant debris. Excluded PCB Product sealant debris shall be gathered and managed as Connecticut Regulated waste.

D. Provide polyethylene drop cloths to capture any falling caulk and glazing materials. The drop cloths will be placed beneath each active Excluded PCB Product removal area. Additional polyethylene sheeting will be used as required to capture Excluded PCB Product debris from the sides of the work areas should the drop fail to capture all falling debris. The drop cloth shall be inspected at least daily when area is being actively worked and all materials captured shall be removed and placed in appropriate waste storage container.

E. All openings into the building shall be sealed on the building interior with polyethylene sheeting and duct tape to isolate the work area from the building interior.

F. Do not proceed with caulk removal if drop cloths are capable of becoming airborne due to high winds.

G. Satisfactorily wet all caulk and glazing being remediated in accordance with NESHAP requirements. Wetting shall be limited so as to the amount required to control dust and shall not lead to the free flow of water from the work area. Sorbent pads shall be used to contain any excess water. All debris shall be properly collected and disposed of as Connecticut Regulated waste, and in accordance with applicable regulations.

H. Following abatement of PCB-containing caulk/glazing material, surfaces shall be cleaned by wet brushing (using a nylon brush), wet wiping and sponging or cleaning by an equivalent method to remove all visible material (wire brushes are not permitted). Cleaning shall include the use of HEPA filtered vacuum equipment.

I. All PCB containing materials shall be removed and properly containerized for disposal. No remediated material shall be allowed to be stockpiled on the ground. All remediated material must be properly containerized and placed in a designated storage area on-Site that is secured and properly labeled.

J. No mechanical grinding or wire wheels will be used to remove Excluded PCB Product. Utilize hand tools as required to fully remove materials. Chipping with power tools will only occur after it is determined that work cannot be satisfactorily completed with hand tools. When these power tools are used, they shall be equipped with HEPA vacuum systems or other measures to control and contain dust.

K. After Excluded PCB Product is removed, surrounds, frames, glass etc. and work area will be vacuumed with a HEPA filter equipped vacuum and then the surrounds, frames, glass, etc. double wiped with a suitable solvent (e.g. hexane) wetted rag.

L. Final cleaning by the Contractor shall include removal of all contaminated material, equipment or debris (including containment materials) from the work area and removal of all visible dusts located on surface.

M. Upon completion of the work, the Consultant shall perform a visual inspection to ensure all materials have been properly removed as per this Section.

3.3 WORKER DECONTAMINATION ENCLOSURE SYSTEM

A. Establish contiguous to the work zone, a Worker Decontamination Enclosure System consisting of Equipment Room, Shower Room and Clean Room in series. Access to the Work Area shall only be through this enclosure.

B. The Shower Room shall be of sufficient capacity to accommodate the number of workers. Supply warm water to showers. No worker shall leave the work zone without showering.

3.4 VERIFICATION SAMPLING

A. The Consultant shall conduct post-abatement wipe sampling ("Cleanliness Verification Procedure") at each abatement area. Wipe samples shall be collected from horizontal surfaces where dust generated might accumulate after the area is cleaned. For areas that are being renovated, including areas where there is no planned renovation work, but Excluded PCB Product will be removed, and where wipe samples are representative of materials to remain in place, all wipe samples will be required to be <1.0 µg/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 µg/100 cm^2.

B. Should any removal fail to achieve the cleanliness verification requirement, the Contractor shall re-clean the surfaces at no additional cost to the Owner and additional inspections and testing will be performed until the area has achieved the cleanliness standard.

C. The Contractor shall anticipate schedule and cost implications associated with the time involved with conducting and analyzing Cleanliness Verification samples and shall not be entitled to additional construction time or compensation for work associated with Cleanliness Verification.

3.5 WASTE MANAGEMENT

A. All costs associated with proper disposal of Excluded PCB Product as Connecticut Regulated waste shall be borne by the Contractor. All materials shall be disposed of in accordance with all laws, and the provisions of this Section and any or all other applicable federal, state, county or local regulations and guidelines.

B. The Contractor shall ensure that PCB-containing waste is appropriately sized for acceptance at the waste disposal facility. No mechanical grinding, wire wheels or other dust generating power tools will be used to demolish PCB-containing debris to obtain the appropriate size(s). Building demolition will be completed after the Excluded PCB Product materials are removed from the building. Use of mechanical grinding, wire wheels or other dust generating power tools can be used on non-PCB containing members, which have not been in direct contact with PCBs.

C. The types of waste that will be generated include:

1. PPE and containment materials.
   a. This material can be managed as Connecticut Regulated waste.
2. Decontamination water.
   a. Decontamination water shall be disposed of by filtration and discharge in to a sanitary drain.
3. Excluded PCB Product.
   a. This material may be managed as Connecticut Regulated waste by any permitted waste management or recycling facility as long as they are made aware of PCB levels in the materials they are to receive and their permit allows them to accept these types of materials.

D. Non-PCB containing materials shall be segregated from PCB containing materials.

E. All tools and equipment that can not decontaminated with a double wipe with a solvent wetted rag in accordance with 40 CFR 761.79(c)2 shall be managed in accordance with the waste category they were used for.

F. Manifests
1. Each manifest shall note the truck registration number, state of registration, name of driver, and date of removal of material from the Site.
2. The Owner will be designated as generator and will sign all manifests and waste profile applications or questionnaires.
3. As appropriate, Manifests shall address the fact that some materials contain PCB, asbestos and lead.

3.6 TRANSPORT OF CONTAMINATED MATERIAL

A. No contaminated materials shall be transported off-Site until all disposal or recycling facility documentation has been received, reviewed, and accepted by the Owner. Such documentation shall be submitted to the Owner and Consultant

B. All hauler(s) shall be licensed in all states affected by transport.

C. The Contractor shall be responsible for inspecting the access routes for road conditions, overhead clearance, and weight restrictions, and shall provide traffic control when needed.

D. The Contractor shall be responsible for any and all actions and costs necessary to remedy situations involving material spilled in transit or mud and dust tracked off-Site. This cleanup and other ancillary activities shall be accomplished at the Contractor expense.

E. Trucks and containers shall be covered during transport as required by applicable law.

F.

3.7 WORKER DECONTAMINATION ENCLOSURE SYSTEM

A. Establish contiguous to the work zone, a Worker Decontamination Enclosure System consisting of Equipment Room, Shower Room and Clean Room in series. Access to the Work Area shall only be through this enclosure.

B. The Shower Room shall be of sufficient capacity to accommodate the number of workers. Supply warm water to showers. No worker shall leave the work zone without showering.

3.8 SPILL RESPONSIBILITY

A. The Contractor is solely responsible for any and all spills or leaks during the performance of work under this contract, which occur as a result of or are contributed to by the actions of its agents, employees or subcontractors. Such spills or leaks shall be cleaned to the satisfaction of the Owner or its representative, and in a manner that complies with applicable federal, state and local laws, codes, policies and regulations. The spill cleanup shall be at no cost to the Owner.

B. The Contractor shall report all such spills or leaks, regardless of their quantity, to the Owner immediately upon discovery. A written follow-up report shall be submitted to the Owner as soon as possible, but not later than 24 hours after the initial telephone report. The written report shall be in narrative form and, at a minimum, include the following:

1. Description of item spilled (including identity, quantity, manifest number, etc.).
2. Exact time and location of spill, including a description of the area involved.
3. Containment procedures initiated.
4. Description of cleanup procedures employed or to be employed at the Site, including location of disposal of spill residues, and corrective measures to prevent recurrences.

3.9 DECONTAMINATION PROCEDURES

A. General: Furnish labor, materials, tools, and equipment for decontamination of all personnel, equipment and supplies that enter the contaminated work area or are exposed to contaminated material. Provide equipment and decontamination pads, etc. necessary for the decontamination of equipment and personnel.

B. Equipment and Tools Decontamination: The decontamination procedure shall follow the requirements of 40 CFR 761.79(c)(2), decontamination via a wiping or double wash/rinse with an approved solvent. Equipment and tools that cannot be decontaminated will be managed in the same manner as the material it was used to abate.

C. Personnel Decontamination: Provide and maintain a decontamination area which is to be located in the contamination reduction zone. Coordinate the location of the decontamination area with the Consultant. Decontamination of personnel and equipment is required after performance of activities in the exclusion zone. The personnel decontamination area may be in the form of a mobile trailer or field station. Personnel decontamination shall, at a minimum, consist of: decontamination before breaks and each time workers exit the exclusion zone, and at the completion of each work day to prevent worker exposure and the spread of contaminants off Site.

D. Emergency Decontamination: Should a worker be splashed with contaminants, the worker shall be immediately escorted to the field decontamination station and decontaminated in accordance with the HASP. Site eye wash and shower stations shall be made available and operable.

PART 4 - SCHEDULE

4.1 EXCLUDED PCB PRODUCT MATERIALS

A. The location of windows and doors containing Excluded PCB Product is identified in Schedule A provided at the end of this section. The location of these materials is further delineated on the accompanying drawings.

B.

END OF SECTION 02 8433

INVITATION TO BID

THRESHOLD BUILDING

FOR PROJECTS ESTIMATED TO COST MORE THAN $500,000.00

ADV. NO.: 11-18 ADV. DATE: June 17, 2011

SEALED BIDS **FROM CONTRACTORS WHO HAVE BEEN PREQUALIFIED IN THE DAS CLASSIFICATION NOTED BELOW** SHALL BE ADDRESSED TO THE DEPARTMENT OF PUBLIC WORKS - STATE OF CONNECTICUT FOR:

Project Title:	Additions and Major Renovations @ Harvard H. Ellis Technical High School 613 Upper Maple Street Danielson, Connecticut
Project Number:	**BI-RT-841**
DAS Classification:	Group B – General Building Construction
Special Requirement:	N/A
Cost Estimate Range:	$53,000,000. – $56,000,000.
Plans & Specs Ready For Sale Date:	June 22, 2011
A NON-REFUNDABLE FEE OF PER SET IS REQUIRED	$ 448.00 **Checks** should be made payable to "**Treasurer, State Of Connecticut**" and should *include* the prospective bidder's correct mailing address, email address, telephone and fax numbers. **USE A SEPARATE CHECK FOR EACH PROJECT.**
Examination or Purchase of Plans & Specs	**Plans And Specifications are available during the hours of 8:30 A.M. and 4:30 PM** (Monday-Friday) and **must be ordered** from **Advanced Reprographics LLC,** 50 Corporate Avenue, Plainville, CT 06062. **Please phone** Advanced Reprographics LLC when planning to purchase at (860) 410-1020. Please provide your **FedEx number** if you are not picking them up directly from the printer.
Pre-Bid Conference:	All prospective bidders are encouraged to attend a pre-bid conference
Pre-Bid Conference **Time**	to be held AT 9AM.
Pre-Bid Conference **Date**	ON Thursday July 14, 2011
Pre-Bid Conference **Location**	AT H.H. Ellis Technical High School, 613 Upper Maple Street, Danielson, CT, Cafeteria
Pre-Bid Conference **Contact**	**Brian Mignault, Principal**
BID OPENING DATE:	**August 3, 2011**
Receipt of Bid Package	Bids will be received at the **State Office Building, 165 Capitol Avenue, Hartford, CT, 06106** in **Room No. G-36** UNTIL **1:00** P.M. on the date shown **above** and thereafter publicly opened and read aloud in **Room No. G-32.**
Bid Results:	Bid results are posted on the **DPW Website** in approximately two (2) days after the bid opening date.

Set-Aside Participation	25%
Including MBE	6.25%
Gift And Campaign Contribution Certification	If awarded the subject contract and the contract has a value of **$50,000** or more the contractor will be required to sign and submit, at the time of contract execution, a **Gift And Campaign Contribution Certification**. See the DPW home page, http://www.ct.gov/dpw, click on **Affidavits**. For the purposes of signing the Certification, the "date DPW began planning" the subject project or services is such date noted below.
Date DPW Began Planning the Subject Project:	4/5/04
Summary and Affidavit Regarding State Ethics	Any one seeking a contract with a value of more than $500,000 shall provide with their **bid** an **Ethics Affidavit** *located* at CT **DPW Website** (www.ct.gov/dpw). Failure to provide this affidavit with the bid proposal shall result in rejection of the bid.
Bid Security	As **security**, *each* **bid** must be accompanied by a CERTIFIED CHECK made payable to "**Treasurer, State of Connecticut**," or the bid must be accompanied by a BID BOND, in the form required by the awarding authority and having surety thereto such Surety Company or Companies as are authorized to do business in this State and/or accepted by the Commissioner of the Department of Public Works for an amount not less than **10%** of the bid.
Bidders are advised that ***both*** the DEPARTMENT OF ADMINISTRATIVE SERVICES PREQUALIFICATION **CERTIFICATE** and **UPDATE STATEMENT must** accompany the **bid** proposal for projects *estimated* to *exceed* Five Hundred Thousand Dollars ($500,000.00) (C.G.S. 4b-91 as amended). ***Failure to supply them with the bid will result in rejection of the bid***	
Department of Administrative Services (DAS) **Contractor Prequalification Program: http://www.das.state.ct.us/Purchase/New_PurchHome/Busopp.asp**	
To access Executive Orders: http://www.ct.gov/governorrell/cwp/browse.asp?a=1719&bc=0&c=18433	
To access the Department of Public Works Web Site: http://www.ct.gov/dpw	

Performance and **Labor and Material Bonds** to be furnished by the bidder awarded the contract shall be an amount not less than 100% of the contract price.

The Commissioner reserves the right to do any of the following without liability, including but not limited to: (a) waive technical defects in the bid proposal as he or she deems best for the interest of the State; (b) negotiate with a contractor in accordance with Connecticut General Statutes Section 4b-91;(c) reject any or all bids; (d) cancel the award or execution of any contract prior to the issuance of the "Notice To Proceed;" and, (e) advertise for new bids.

Nonresident contractors: At the time of contract signing a certificate from the Commissioner of Revenue Services must be provided which evidences that C.G.S. 12-430 for non-resident contractors has been met. For details call the Department of Revenue Services at (860) 541-3280, ext. 7.

EXECUTIVE ORDERS:

The Contract is subject to the provisions of Executive Order No. Three of Governor Thomas J. Meskill, promulgated June 16, 1971, concerning labor employment practices, Executive Order No. Seventeen of Governor Thomas J. Meskill, promulgated February 15, 1973, concerning the listing of employment openings and Executive Order No. Sixteen of Governor John G. Rowland promulgated August 4, 1999, concerning violence in the workplace, all of which are incorporated into and are made a part of the Contract as if they had been fully set forth in it. At the Contractor's request, the Client Agency shall provide a copy of these orders to the Contractor. The Contract may also be subject to Executive Order No. 7C of Governor M. Jodi Rell, promulgated July 13, 2006, concerning contracting reforms and Executive Order No. 14 of Governor M. Jodi Rell, promulgated April 17, 2006, concerning procurement of cleaning products and services, in accordance with their respective terms and conditions.

This contract is subject to the provisions of the Department of Public Works **Sexual Harassment Policy** ("Policy") and, as such, the contract may be canceled, terminated, or suspended by DPW for violation of or noncompliance with said Policy. Said document is hereby incorporated herein by reference and made a part hereof as though fully set forth herein. This policy may be found at the Department of Public Works Website at http://www.ct.gov/dpw, under **Publications**.

All **technical** questions must be in writing (not phoned or emailed) and faxed to the **Architect/Engineer** with a **copy** to the **DPW Project Manager** listed below.

Architect/Engineer/ Consultant:	The S/L/A/M Collaborative Somerset Square 80 Glastonbury Boulevard Glastonbury, Connecticut 06033	Fax No:	860-657-8141
Construction Administrator	O&G Industries/Ken Biega	Fax No:	860-626-6447
DPW Project Manager:	Fred Connolly	Fax No:	860-713-7261

All **bid** questions should be addressed to the **Officer** listed below.

Associates Fiscal Administrative Officer:	Gail Blythe	Fax No:	(860) 713-7395

Contract Time Allowed: 1275 Calendar Days

Liquidated Damages: $ 7,093.00 Per Calendar Day beyond Substantial Completion

$ 4,401.00 Per Calendar Day beyond ninety (90) days after Substantial

Completion

Prevailing Wage Rates:

Prevailing wages are required on this project, in accordance with the schedule provided in the **bid documents**, pursuant to Connecticut General Statutes Section 31-53 (a) through (h), as amended.

Each contractor who is awarded a contract on or after October 1, 2002 shall be subject to provisions of the Connecticut General Statutes, Section 31-55a concerning **annual adjustments** to prevailing wages.

Wage Rates will be posted each **July** 1st on the **Department of Labor website**: www.ctdol.state.ct.us . Such prevailing wage adjustment shall not be considered a matter for any contract amendment.

The wages paid on an hourly basis to any mechanic, laborer or workman employed upon the work herein contracted to be done and the amount of payment or contribution paid or payable on behalf of each such employee to any employee welfare fund, as defined in subsection (h) of section 31-53 of the Connecticut General Statutes, shall be at a rate equal to the rate customary or prevailing for the same work in the same trade or occupation in the town in which such public works project is being constructed. Any contractor who is not obligated by agreement to make payment or contribution on behalf of such employees to any such employee welfare fund shall pay to each employee as part of his wages the amount of payment or contribution for his classification on each pay day.

Procurement
Department of Public Works