600 West Cummings Park, Suite 5450
Woburn, MA 01801
www.atcassociates.com
Phone 781.932.9400
Fax 781.932.6211

October 24, 2011

Kim Tisa, PCB Coordinator
U.S. Environmental Protection Agency, Region 1
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, Massachusetts 02109-3912

Via e-mail and Overnight Mail

Re: Notification of TSCA Self-Implementing Clean-up of PCBs
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550
ATC Project No. 060.29841.0002

Dear Ms. Tisa:

Please find enclosed a notification and associated certification for a self-implementing clean-up of PCBs under the Toxic Substances Control Act, 40 CFR 761.61(a), on behalf of the Massachusetts Department of Conservation and Recreation (DCR), at the above-referenced facility.

This submittal documents the plan for clean-up of PCB-impacted building materials at Andrew J. Petro Swimming Pool during building demolition.

If you have any questions, please contact Michael Gitten at (781) 404-1439 or michael.gitten@atcassociates.com.

Sincerely,
ATC Associates Inc.

Chris Amorelli
Environmental Scientist

Michael Gitten, LSP, PE
Division Manager, Environmental Services

cc: Mr. Robert Lowell, DCR
Ms. Judy O'Kula, DCR
Kenneth Kimmell, Commissioner, Massachusetts DEP, One Winter St., Boston, MA 02108
James J. Morin, Health Director, Southbridge Health Department, 41 Elm Street, Southbridge, MA 01550

NOTIFICATION OF TSCA SELF-IMPLEMENTING CLEAN-UP OF PCBS

ANDREW J. PETRO SWIMMING POOL
RANDOLPH STREET
SOUTHBRIDGE, MASSACHUSETTS 01550

OCTOBER 21, 2011

Prepared for:

Massachusetts Department of conservation and Recreation
251 Causeway Street
Boston, Massachusetts 02114-2119

Prepared by:

ATC Associates Inc.
600 West Cummings Park, Suite 5450
Woburn, Massachusetts 01801
(781) 932-9400

ATC Project No. 060.29841.0002

TABLE OF CONTENTS

1 Introduction 2
1.1 Entity Submitting Notification/Certification 2
2 Site Background and History 2
2.1 General Location 3
2.2 Facility and Site Description 3
2.3 PCB Characterization Sampling 4
2.3.1 Yee Consulting Group Sampling 4
2.3.2 Nobis Engineering Sampling 4
2.3.3 ATC Associates Sampling 5
3 Nature and Extent of PCB Contamination 6
3.1 Pool Deck 7
3.2 Main Pool 8
3.3 Wading Pool 8
3.4 Guard House 9
3.5 Bath House 9
3.6 Filter Building 10
3.7 PCB Bulk Product Waste Summary 10
4 Self-Implementing Clean-Up Plan 11
4.1 Procedures for Implementation 12
4.1.1 Site Preparation and Abatement monitoring 12
4.1.2 Typical Means and Methods 14
4.1.3 Pool Deck 14
4.1.4 Main Pool 14
4.1.5 Wading Pool 15
4.1.6 Guard House 16
4.1.7 Bath house 17
4.1.8 Filter Building 17
4.2 Waste Management 18
4.3 Schedule for Implementation 19
4.4 State or Local Permits and Approvals 19
5 DCR Certification 19

FIGURES

Figure 1 Site Vicinity Map
Figure 2 Building Material Sampling Locations- Drawing D-101
Figure 3 Exterior Pool and Deck PCB Bulk Product Sealant Locations
Figure 4 Guard House / Filter Building - Building PCB Bulk Product Sealant Locations
Figure 5 Bath House Building PCB Bulk Product Sealant Locations

TABLES

Table 1 PCB Analytical Results
Table 2 PCBs in Building Materials Evaluation

APPENDICES

Appendix A Laboratory Analytical Reports
A1: Yee –December 2008, June 2009
A2: Nobis – April 2011
A3: ATC – September 2011

1 INTRODUCTION

ATC Associates Inc. (ATC) has prepared this notification of a self-implementing clean-up of polychlorinated biphenyls (PCBs) (Notification) under the Toxic Substances Control Act (TSCA), on behalf of the Massachusetts Department of Conservation and Recreation (DCR). The Notification is provided for planned renovation of the Andrew J. Petro Swimming Pool at Randolph Street, Southbridge, Massachusetts (the "Site"). The Site is a public swimming facility that is currently closed pending renovations. The renovations are detailed in DCR Contract No. P11-2658-C4A. Planned renovations will include:

- Removing all concrete pool decking and installing new decking and lawn;
- Removing wading pool and covering area with new lawn;
- Removing main pool gutter and underlying concrete pool wall to support construction of new gutter and pool;
- Removing main pool concrete stairs;
- Constructing a new "zero entry" main pool within the existing pool envelope. This will involve a minimum of an 8-inch thick gunite shell. Because the current pool depth will be reduced in all locations, a crushed stone bedding will be installed beneath the entire gunite shell bottom; and
- Renovating the bath house, guard house, and filter building.

After renovations are complete the Site will be utilized as a public swimming facility. The overall PCB abatement goal is to remove all PCB Bulk Product Waste and PCB Remediation Waste that has a PCB concentration > 1 ppm.

This Notification has been prepared in accordance with the TSCA requirements for a self-implementing clean-up plan, as outlined at 40 CFR 761.61(a). The certification required by 40 CFR 761.61(a)(3)(i)(E) is included in Section 5.

1.1 ENTITY SUBMITTING NOTIFICATION/CERTIFICATION

The following is information regarding the entity submitting this Notification:

Entity:	The Massachusetts Department of Conservation and Recreation
Address:	251 Causeway Street Boston, Massachusetts 02114-2119
Contact:	John P. Murray Deputy Commissioner for Operations
Telephone:	(617) 626-1250
e-mail:	Jack.murray@state.ma.us

2 SITE BACKGROUND AND HISTORY

This Section provides Site background and history, including a Site description and summary of the discovery of PCBs at the Site. Section 2.3 includes information on PCB characterization sampling, as required by **40 CFR 761.61(a)(3)(i)(B)**.

2.1 GENERAL LOCATION

The Site is located along Randolph Street in Southbridge, Massachusetts. A locus map showing the approximate location of the Site is included as ***Figure 1***.

2.2 FACILITY AND SITE DESCRIPTION

The Site is currently a closed public swimming facility consisting of a main pool, wading pool, pool deck area, guard house, bath house, and filter building all within a fenced area. Outside the fence is a parking lot and grassed areas. Access to the parking lot is controlled by a gate. The pool area and associated buildings are enclosed by a lockable fence. There currently is no public access to the Site and public access will not be restored until after renovations are completed.

According to research conducted by ATC, the pool was initially constructed in the early 1970's. Construction plans reviewed by ATC are dated October 1971. There were subsequent upgrades to the pool areas and Site buildings. According to DCR, the Site has been unoccupied for approximately two years. DCR is proposing to renovate the main pool, including reducing the depth of the pool by pouring a new pool shell within the existing pool shell, and portions of the Site buildings and remove the wading pool. Following renovation, the Site will reopen and continue to be utilized as a seasonally operated public pool facility.

The main pool is an in-ground concrete structure with coated/painted walls and bottom. The coating is a green/blue paint overlain by a hard white epoxy-like material with black marking. The main pool walls and bottom contain caulked expansion joints. ***Figure 2*** shows the expansion joint locations. A metal drain gutter is located along the perimeter wall of the main pool. The metal gutter sill and concrete wall joint is caulked. No caulking was observed between the metal gutter and concrete deck.

The wading pool is an in-ground concrete structure with painted walls and bottoms (blue/green paint). There are no caulked joints within the wading pool.

The pools are surrounded by a concrete deck with expansion joints filled with a black caulk, as well as a gray caulk in limited areas used to repair or patch damaged or missing expansion joint caulk. There is also a grounding wire that encircles the main pool that is covered with a gray sealant.

The guard house is constructed of cast-in-place concrete framing, concrete masonry unit (CMU, a.k.a. "concrete block") block walls and rubber membrane roof. The interior of the guard house consists of a first aid staff office, bathroom, storage room, two staff rooms and concessions area. The interior perimeter foundation joint of the first aid office, bathroom and large storeroom are caulked and portion of the exterior foundation/pool deck joint is caulked. The interior and exterior door jambs and first aid staff office window frames are caulked. The first aid office windows also contain glazing.

The bath house is of similar construction to the guard house. The interior of the bath house consists of two locker room areas and heater room. The interior foundation joint of the locker room areas are caulked and the interior and exterior door jamb of the heater room are caulked.

The filter building is of similar construction to the other Site buildings, with subgrade areas utilized for pool filtration. The ground level areas are comprised of an open platform and a

storage closet, which contains a window to the filtration areas. The subgrade areas consist of a pump room, surge tank, and sump area. The storage closet window frame and the interior and exterior door jamb are caulked. The concrete walls of the subgrade areas of the filter building are painted blue. Perimeter floor caulking was not observed.

A Site plan showing the layout of the Site is included as ***Figure 2***. Plans showing the approximate location of PCB Bulk Product sealants as observed in the field by ATC are included as ***Figures 3, 4 and 5***.

2.3 PCB CHARACTERIZATION SAMPLING

This section outlines the building material PCB characterization sampling that has been conducted at the Site. Sampling was performed over three periods by: 1) Yee Consulting Group (Yee) December 2008, and June 2009, 2) Nobis Engineering Inc. (Nobis) April 2011, and 3) by ATC September 2011.

In summary, the following samples were collected and analyzed for PCB content:

- 45 sealant samples (caulk and glazing)
- 15 paint samples
- 76 concrete/CMU samples and
- 5 surface wipe samples.

A detail summary of ATC's laboratory results are presented in ***Table 1***. A summary of all available laboratory data is presented in ***Table 2***. ***Figure 2*** shows the approximate sample locations. All available laboratory reports are included in ***Appendix A***.

2.3.1 Yee Consulting Group Sampling

On December 5, 2008, Yee collected four samples: 1) gray deck caulk (YEE-01), 2) deck concrete (YEE-02), 3) caulk from the main pool deep end wall vertical seam (YEE-03) , and 4) paint from the main pool floor (YEE-03). These samples were submitted to Alpha Analytical Laboratories (Alpha) of Westborough, Massachusetts for EPA Method 3541 automated soxhlet extraction followed by PCB analysis by EPA Method 8082. A summary letter report with Chain of Custody is included in ***Appendix A*.**

On June1, 2009, Yee collected three surface wipe samples from the main pool walls (YEE-#1 to YEE-#3). These samples were submitted to Alpha for PCB analysis following EPA Method 3540C for soxhlet extraction with analysis by EPA Method 8082. No QA/QC issues were noted in the provided laboratory report. The Alpha laboratory analytical report is attached in ***Appendix A***.

2.3.2 Nobis Engineering Sampling

Nobis collected and submitted 33 samples April 29, 2011, for PCB analysis. These samples were collected to support the current renovation project. To meet this objective Nobis sampled observed suspect materials. This included caulk and paint from the main pool, wading pool, pool deck and guard house. Samples were analyzed by Alpha following EPA Method 3540C for soxhlet extraction with analysis by EPA Method 8082.

Based on the review of the laboratory reports, the surrogate recovery targets were not met, surrogates were obscured or diluted out due to matrix interference or dilutions, or detection limits were elevated due to matrix interference and limited sample volume for some samples. Some samples had elevated (> 1 ppm) laboratory detection limits. In addition, ATC was not provided with the supporting laboratory reports for three samples (PDB-15, KPPC-2 and KPPC-4).

Overall, ATC believes that these QA/QC issues do not significantly impact data quality or usability.

It is believed that KPPC-1 and KPPC-2 were from one multi-color paint chip and KPPC-3 and KPPC-4 were from another multi-colored point chip and that the laboratory attempted to separate the colors to determine if they had different PCB results. Based upon the results, it appears that the PCB concentrations in the different color paint chips were the same. Based upon the fact that there are 10 samples of the black deck caulk represented by PDB-15 and results ranged from non-detect with a 0.90 ppm detection limit to 34 ppm, ATC believes that the data supports the conclusions presented in this report.

Overall ATC believes that the other data that had potential QA/QC issues is usable because PCBs were detected at concentrations greater than 50 ppm and/or there are other samples of the same material that met the Method QA/QC requirements. The one exception is the Guard House caulk samples GH-1 and GH-2. These samples had high detection limits (65.2 and 5,850 ppm) and no surrogate recovery. The samples of this material analyzed by ATC had similar QA/QC difficulties. ATC therefore conservatively assumes that PCBs are present in this material at a level ≥ 50 ppm. The Nobis laboratory analytical report is attached in ***Appendix A***.

2.3.3 ATC Associates Sampling

Based on the results of previous sampling, DCR requested that ATC perform additional sampling of known and suspect caulking materials throughout the Site as well as sampling of various building materials to further define the nature and extent of PCBs.

ATC collected samples September 1, 6, and 9, 2011. Sampling was completed from interior and exterior locations in an iterative fashion. The sampling program included three components:

1. Additional sampling of known PCB containing sealants based upon the preliminary assessments performed by others to confirm if a material was a PCB Bulk Product, PCB Remediation Waste or Excluded PCB Product.
2. Sampling of other suspect sealants, and
3. Sampling of adjacent building materials to determine if surrounding materials were impacted and would be considered PCB Remediation Wastes.

ATC collected bulk samples of sealants, concrete, concrete masonry units (CMU), paint/concrete coating and surface wipes.

Sealant and paint samples were collected with hand tools (i.e. screwdriver, hammer, pliers, chisel, etc.). Concrete and CMU samples were collected with hand tools and power hand tools. Concrete samples were collected in general accordance with Region I, EPA-New England, Draft, *Standard Operating Procedure for Sampling Concrete in the Field* (December 1997). Hand tools were decontaminated with hexane wetted rags between uses. Wipe samples were collected in general accordance with the *Wipe Sampling and Double Wash/Rinse Cleanup as recommended by the EPA PCB Spill Clean Up Policy* (June 1987, revised April 1991).

All samples were transported under chain-of-custody to Con-Test Analytical Laboratory (Con-Test) of East Longmeadow, Massachusetts for laboratory analysis. Samples were analyzed following EPA Method 3540C for soxhlet extraction with PCB analysis by EPA Method 8082.

In summary, 99 bulk samples and 2 wipe samples were collected by ATC and submitted for PCB laboratory analysis, as summarized below:

- 18 sealant samples (caulk, glazing, etc.)
- 75 concrete/CMU samples
- 6 paint samples
- 2 wipe samples

The above includes five duplicate samples which were submitted for quality control purposes.

Table 1 also summarizes ATC's QA/QC review. For some samples, the surrogate recovery targets were not met, surrogates were obscured or diluted out due to matrix interference or dilutions, or detection limits were elevated due to matrix interference. ATC believes that these QA/QC issues do not significantly impact data quality or usability. This is primarily due to the fact that many of these issues are associated with samples where PCBs were reported to be present at concentrations greater than 50 ppm and/or there are multiple samples associated with the material in question with one or more sample that had an appropriate surrogate recovery and/or laboratory detection limit . The laboratory analytical reports are attached in ***Appendix A***.

Aroclor 1254 was the only Aroclor observed in all but one sample. Aroclor 1254 is often associated with PCB-containing building materials. Sample PBS-D contained Aroclor 1248, which is also known for its use as a plasticizer in sealants and other materials.

Note that an asbestos containing material (ACM) assessment was previously performed by Nobis. ACM was identified in door frame caulk within the Guard House, Bath House, and Filter Building.

The approximate sample locations of all samples are shown on ***Figure 2***, ATC's laboratory results are tabulated in ***Table 1*** and a summary of sampling information/sample type/waste determination for all samples is provided in ***Table 2***.

3 NATURE AND EXTENT OF PCB CONTAMINATION

This Section provides a summary of the media contaminated by PCBs and the extent of contamination in that media, as required by 40 CFR 761.61(a)(3)(i)(A) and 40 CFR 761.61(a)(3)(i)(C).

Table 2 presents the data associated with each sealant use and adjacent building material properties. ATC utilized laboratory data, sealant physical properties and use to classify a material under TSCA. Materials were placed into one of the following categories:

> PCB Bulk Product Waste: Sealants with PCB concentrations ≥ 50 ppm.
> PCB Remediation Waste: PCBs observed at≥ 1ppm and this comes from an adjacent PCB Bulk Product Waste.

Excluded PCB Product: PCBs not observed in any sample at ≥ 50 ppm and not in direct contact with a PCB Bulk Product Waste. Of the 36 samples associated with a material classified as Excluded PCB Product by ATC, PCB concentrations were non detect in 14 samples with detection levels ranging from 0.087 to 18 ppm and PCBs were reported in only four samples at a concentration greater than 10 ppm (ranging from 14 to 34 ppm).
Demolition Debris: PCBs not observed in any sample at ≥ 1 ppm.

Based upon the available sampling data, ATC developed a sampling program for each area/building and associated sealant to support putting the various sealants and building materials present at the Site into one of the above categories. The results of these investigations and associated conclusions on the nature and extent of PCBs are summarized in ***Table 2*** and below. ***Figures 3 through 5*** show the extent of sealants classified as PCB Bulk Product Waste.

Prior to initiating abatement work, each area to be abated will be marked in the field and be noted as to what Waste Management Determination is associated with the area (PCB Bulk Product Waste, PCB Remediation Waste >/= 50 ppm, PCB Remediation Waste < 50 ppm or Excluded PCB Product.). All areas not marked will be considered demolition debris as it relates to PCB content. The contractor will need to review other project information related to the presence of lead based paint and asbestos to determine the appropriate waste management option for Excluded PCB Products and demolition debris.

Table 2 also shows the Waste Management Determination made by ATC. In some cases, a more stringent Waste Management Determination was made due to the anticipated abatement approach, redevelopment plans or as a conservative measure.

3.1 POOL DECK

A black and gray sealant is present in the pool deck (this does not include the sealant between the pool deck and Guard House building which is discussed in Section 3.4.) All the sealants and concrete deck will be removed during renovations.

All the samples from the gray caulk were non-detect with detection levels ranging from 0.0651 to 11.8 ppm. Based upon the fact that PCBs were not observed above any detection limit in all 5 samples, ATC concludes that this material does not contain PCBs ≥ 1 ppm and can be managed as general demolition debris, with the exception of the limited area adjacent to the Guard House discussed in Section 3.4.

A total of 10 samples of the black sealant were analyzed. This material was a different texture and consistency than other black caulks present at the Site. PCB concentrations ranged from non-detect with a 0.90 ppm detection limit to 34 ppm. Only one two samples had PCBs present at a concentration greater than 10 ppm. In addition, none of the concrete deck samples analyzed had detectable PCB concentrations with detection limits ranging from 0.091 to 0.100 ppm. ATC concludes that the black caulk is an Excluded PCB Product. However, as a conservative measure it will be managed off-Site as a material containing > 50 ppm (PCB Bulk Product Waste).

As a further confirmatory step, ATC will collect bulk concrete deck samples adjacent to the areas where the highest PCBs levels were observed. All concrete deck samples to date have been non-detect for PCBs with detection limits ranging from 0.091 ppm to 0.100 ppm. ATC therefore currently concludes that the concrete deck can be managed as general demolition debris, with the exception of 1 foot from the Guard House exterior sealant (See Section 3.4).

3.2 MAIN POOL

Caulk was observed between the pool wall and stainless steel pool gutter, vertical joints in the pool walls where the pool transitions from shallow to deep, pool bottom and pool shallow end stairs.

The caulk beneath the pool gutter is classified as PCB Bulk Product Waste.

One vertical caulk sample was collected by Yee and had PCB concentration of 2,500 ppm. Of the eight other non-gutter pool sealant samples analyzed, PCBs were only detected in two other samples at a concentration of 1.37 and 14 ppm. In addition, PCBs were not observed in 19 of the 20 pool concrete samples analyzed, and PCBs were only reported at 0.52 ppm in the one sample they were present in. The pool paint/coating also had low (less than 8 ppm) PCB concentrations. Based upon these facts, ATC concludes that the vertical caulk sample is a PCB Remediation Waste impacted by the adjacent pool gutter caulk. As a conservative measure, the material will be managed off-Site with the PCB Bulk Product Waste and additional caulk sampling will be performed to confirm this conclusion.

The bottom and stair caulk is classified as Excluded PCB Product. This is because as noted above, PCBs were only observed in two samples at 1.37 and 14 ppm, PCBs were only observed in one concrete sample at a concentration of 0.52 ppm and PCB levels were low (less than 8 ppm) in the concrete coatings. As a conservative measure, ATC is proposing that this caulk be removed and managed as PCB Remediation Waste.

ATC concludes that the paint/coating is an Excluded PCB Product. This is because the same paints were observed in the Main Pool, Wading Pool and Filter Building and of the 15 samples only one had a PCB concentration greater than 8 ppm at 15 ppm. It is important to note that painted Wading Pool will be fully removed, the Main Pool covered with at least 8-inches of gunite and the paint in the Filter Building removed.

Based upon the fact that PCBs were only observed in one of the concrete samples at 0.52 ppm, ATC classifies the concrete as Demolition Debris except for areas adjacent to the gutter and vertical caulk. As a conservative measure 6-inches of concrete beneath the pool gutter and on either side of the vertical caulk joint will be removed and managed as PCB Remediation Waste.

The wipe samples of the pool gutter demonstrate that if the caulk can be physically removed from the gutter can be decontaminated and managed as general Demolition Debris. If it is decided not to decontaminate the gutter, it will be managed as PCB Bulk Product Waste.

3.3 WADING POOL

No sealants were observed around the wading pool.

Low levels (up to 5.1 ppm) PCBs were reported to be present in the pool paint/coating. As discussed for the Main Pool, ATC concludes that the paint/coating is an Excluded PCB Product. This is further supported by the fact that PCBs were not detected in two of the underlying concrete samples from the Wading Pool (with a 0.10 ppm detection limit) and only at 0.25 ppm in the third sample and there are no sealants present in this pool. The paint will be managed as an Excluded PCB Product and the underlying concrete as demolition debris. Note that the entire Wading Pool will be removed during renovations.

3.4 GUARD HOUSE

Sealants were observed around the doorway jambs, portions of the interior and exterior foundation, and windows.

Three samples of the doorway jamb caulk were analyzed with PCB concentrations ranging from 1.2 to 10 ppm. ATC characterized this material as Excluded PCB Product. However, as a conservative measure this material will be managed as PCB Bulk Product Waste because elevated PCBs concentrations were observed in similar door frames in other buildings.

There is caulk present between the floor and interior wall in the main First Aid/Staff room and bathroom of the Guard House. This material is classified as a PCB Bulk Product. To determine impacts to adjacent building materials concrete and CMU samples were collected from increasing distances away from the caulk. Based upon this sampling ATC concludes that the floor is impacted with PCB at ≥ 1 ppm up to one foot from the joint and the wall one CMU block course (8-inches). Concrete and CMU from within these limits are classified as PCB Remediation Waste. The concrete floor and CMU walls will be saw cut out and removed. The floor will be managed as PCB Remediation with < 50 ppm PCBs. The CMU walls will be managed as PCB Bulk Product Waste due to the anticipated>/= 50 ppm concentration. Additional floor sampling will be performed to confirm the 1-foot floor distances.

There is caulk present between the exterior wall and a small portion of the First Aid window area as shown on ***Figure 4.*** PCBs were not detected above the laboratory detection limits. However, detection limits were elevated, ranging from 65.2 to 5,350 ppm. Therefore, as a conservative measure, this caulk will be classified as PCB Bulk Product. To determine impacts to adjacent building materials concrete and CMU samples were collected from increasing distances away from the caulk. Based upon this sampling ATC concludes that the concrete deck is deck up to one foot out in this area has PCBs > 1 ppm and will be classified as PCB Remediation Waste. In the three exterior samples collected, PCBs were not detected above 0.39 ppm. The material was therefore classified as Demolition Debris. However, because low PCB (1.6 ppm) levels were observed on the adjacent deck, ATC is conservatively proposing to manage the bottom row of exterior CMU as PCB Remediation Waste.

Due to the PCB concentrations observed in the First Aid Window glazing and caulk the entire window is considered a PCB Bulk Product. To determine impacts to adjacent building materials concrete and CMU samples were collected from increasing distances away from the window. Based upon this sampling ATC concludes that the first CMU course (8-inches) around the window is impacted with PCB at ≥ 1 ppm and is PCB Remediation Waste.

3.5 BATH HOUSE

Caulk was observed around the door and the entire interior floor where it connects with perimeter and interior wall.

As discussed for the Guard House, all door caulk is assumed to be PCB Bulk Product. The levels observed in the Bath House are greater than the Guard House. To confirm that the adjacent CMU has not been impacted the adjacent CMU will be sampled.

All the interior floor sealant is classified as PCB Bulk Product Waste. To determine impacts to adjacent building materials concrete and CMU samples were collected from increasing distances away from the caulk. Based upon this sampling ATC concludes that the floor is impacted with

PCB at ≥ 1 ppm up to 1.5 feet from the joint and the wall two CMU block courses (16-inches). These materials are classified as PCB Remediation Waste. Additional floor and wall sampling will be performed to confirm these distances. The available data does show a steep decrease in PCB concentration from directly adjacent to the sealant (up to 3,300 ppm on the floor and 530 ppm on the wall) to one foot from the joint (0.26 ppm and 1.5 ppm, respectively).

3.6 FILTER BUILDING

Sealants are present around the doors and closet window.

The door caulk was not sampled, but is assumed to be PCB Bulk Product based upon analysis of similar materials in other buildings. To determine impacts to adjacent building materials CMU samples were collected from increasing distances away from the caulk. Based upon this sampling ATC concludes that the walls are impacted with PCB at ≥ 1 ppm up to one CMU course (8-inches) from the door frame and these materials are PCB Remediation Waste.

The closet window caulk is a PCB Bulk Product. To determine impacts to adjacent building materials CMU samples were collected from increasing distances away from the caulk. Based upon this sampling ATC concludes that the walls are impacted with PCB at ≥ 1 ppm up to one CMU course (8-inches) from the door frame and these materials are PCB Remediation Waste.

The same paint observed in the Wading Pool and Main Pool was present in the Filter Building sump pit. PCBs were observed in the paint at 5.4 to 15 ppm. PCBs were not detected above 0.1 ppm in the underlying concrete. As discussed above, ATC concludes that all the paint is Excluded PCB Product and the underlying concrete Demolition Debris. No concrete removal beyond that associated with the door and windows noted area above will be removed from the Filter Building.

3.7 PCB BULK PRODUCT WASTE SUMMARY

The following table summarizes the approximate quantity of PCB Bulk Product Waste to be removed:

Material	Site Area	Estimated Quantity	PCB Concentration Range (ppm)
Pool Gutter Sill Caulk	Main Pool	280 LF	18.8 – 32,200
Interior Foundation Caulk	Guard House	190 LF	151,000 – 180,000
Exterior Foundation Caulk	Guard House	25 LF	ND (21.7) – ND (1,780)
Interior Window Caulk (Glazing)	Guard House	50 LF	96.9
Interior Window Frame Caulk	Guard House	80 LF	138,000
Interior Foundation Caulk	Bath House	410 LF	114,000 – 240,000
Interior Window Caulk	Filter Building	10 LF	79,600
Interior & Exterior Door Frame Caulk	Guard House, Bath House, Filter Building	300 LF	1.2 – 1,800

Figures 3 through 5 show the extent of identified PCB Bulk Product Waste. The Interior and exterior door frame caulk also contains asbestos.

4 SELF-IMPLEMENTING CLEAN-UP PLAN

This Section details the clean-up plan, as required by **40 CFR 761.61(a)(3)(i)(D)**.

The objective of this clean-up plan is to remove all PCB Bulk Product Waste and PCB Remediation Waste from the Site to a level of ≤ 1 ppm. This will support a "high occupancy", or greater than 335 hours annual occupancy by adult workers, as defined by TSCA at 40 CFR 761.61(a). A seasonal employee may reach this level of occupancy; however, it is unlikely that any member of the public will be present at the Site for this many hours annually.

The clean-up is part of an overall pool renovation program. The renovations will modify the existing main pool, which has a shallow and deep end, into a zero entry pool. A zero entry pool will allow users to walk directly into the pool from the current shallow end and for no part of the pool to be deeper than 5.5 feet. This renovation will include the following components:

- Removing all concrete pool decking and installing new decking and lawn;
- Removing wading pool and covering area with new lawn;
- Removing main pool gutter and underlying concrete pool wall to support construction of new gutter and pool;
- Removing main pool concrete stairs;
- Constructing a new main pool within existing pool envelope. This will involve a minimum of an 8-inch thick gunite shell. Since the current pool depth will be reduced in all locations, a crushed stone bedding will be installed beneath the entire gunite shell bottom; and
- Renovating the bath house, guard house and filter house.

The primary steps of the self-implementing clean-up plan are:

1) Remove joint caulk and glazing compound identified as PCB Bulk Product and dispose off-Site as a PCB Bulk Product Waste. The general limits are shown on ***Figures 3 through 5***.
2) Remove adjacent materials that have been impacted by PCB Bulk Product Waste and are classified as PCB Remediation Waste.
3) Sample remaining adjacent materials to confirm that the 1 ppm remediation goal has been achieved. If required, perform additional removal Abated areas will not be covered or backfilled until confirmatory sample results are received.

All other materials to be removed during the renovation project will be managed as either Excluded PCB Product or demolition debris. If a material is managed as an Excluded PCB Product, the receiving facility must be able to accept these types of debris with PCB concentrations up to the highest concentration detected in that type of material.

DCR has hired New England Builders & Contractors, Inc. of Methuen, Massachusetts as the general contractor for this project. New England Builders & Contractors has engaged SRS Contractor, Inc. of Lowell, Massachusetts (SRS) to perform PCB abatement, as well as asbestos abatement activities. The contractor and their subcontractor have been provided with this Notification and agree to comply with the requirements of this Notification.

SRS will perform the project work in a manner to meet or exceed the means and methods presented in this Notification. New England Builders & Contractors and SRS will provide written certification that they will comply with the requirements of this Notification and any EPA conditional approvals as applicable. It is important to note asbestos abatement will occur in conjunction with PCB abatement that will bring its own worker safety, dust, and waste management controls to the project.

ATC will provide third party environmental oversight and review of the clean-up plan activities prior to, during, and after the proposed activities. ATC will monitor compliance with this Notification, visually confirm that identified sealants (PCB Bulk Product Waste and PCB Remediation Waste) are removed, and collect confirmatory samples.

4.1 PROCEDURES FOR IMPLEMENTATION

The primary steps of the self-implementing clean-up plan are detailed in the following subsections. SRS will develop the final work sequence based upon the following abatement approaches.

4.1.1 Site Preparation and Abatement monitoring

Sampling

Prior to the start of abatement, ATC will collect the following samples for PCB analysis to confirm the Material Type and Waste Management Determinations presented on ***Table 2***. These samples may also serve as post-abatement data if results are < 1 ppm. Sampling will include:

- Three concrete pool deck samples from adjacent to where the highest expansion joint PCB concentrations were observed to confirm that the concrete deck can be managed as demolition debris;
- Three main pool vertical caulk samples to confirm this material is a Remediation Waste Product. One will be collected from within one foot of the pool gutter sill caulk and two from the wall mid-point;
- Collect one concrete sample from 6 inches on each side of the three main pool vertical caulk joints for a total of 8 samples to confirm that concrete PCB concentrations are < 1 ppm. These samples will also serve as post abatement samples
- One main pool stair caulk to confirm this material is an Excluded PCB Product;
- One interior and exterior masonry sample from adjacent to the door jambs to be removed in the Guard House and Bath House to confirm that adjacent masonry is not PCB Remediation Waste. These will also serve as post abatement samples;
- Ten Guard House interior concrete floor samples one foot from the PCB Bulk Product caulk (approximately every 10 linear feet of PCB Bulk Product caulk). These will also serve as post abatement samples;
- Seven Guard House interior CMU wall samples one CMU block from the PCB Bulk Product caulk to confirm limits of PCB Remediation Waste (approximately every 10 linear feet of PCB Bulk Product caulk). These will also serve as post abatement samples;
- Concrete samples from the Bath House floor will be collected 18 inches out from the floor caulk every 10 feet. The first 10 samples will be run and if these results are all < 1 ppm, every other remaining sample will be analyzed. These will also serve as post abatement samples; and

- Concrete samples from the Bath House wall will be collected two CMU blocks (16 inches) from the floor caulk every 10 feet. The first 10 samples will be run and if these results are all < 1 ppm, every other remaining sample will be analyzed. These will also serve as post abatement samples.

The discrete concrete grab samples will be surficial (0 to ½ inch) collected using the general methods described in *Region I, EPA-New England, Standard Operating Procedure for Sampling Porous Surfaces for PCBs*, May 5, 2011. Samples will be placed in a laboratory-supplied container and submitted to a certified laboratory for analysis of PCB Aroclors using EPA Method 8082 and soxhlet extraction.

If the additional laboratory results vary from current assumptions, the Material Type, Material Type extent and/or Waste Management Determination will be revised following the approach outlined in this Narrative.

Worker Health and Safety

All work will be performed under a site-specific Health and Safety Plan (HASP) that will cover the chemical hazards present at this Site. In addition to PCB, asbestos and lead based paint are present. There are also the hazards associated with the demolition of concrete. At a minimum, all workers performing PCB abatement activities will have completed 24 Hour HAZWOPPER training and an additional OSHA 10 Hour Construction Standard training. Note that the door caulk also contains asbestos so the additional requirements relating to asbestos abatement work training will apply.

When cutting PCB containing materials or removing PCB Bulk Product Waste a ½ face negative air purifying masks with high efficiency filters will be worn.

The general public will not have access to the Site during this project. The work area will be posted with warning signs stating “Warning: PCB Handling Removal Hazard” along with signs relating to asbestos abatement activities.

Measures will be taken to control the generation of dust and release to the atmosphere during PCB abatement activities. These will include:

- Covering building penetrations and openings with a minimum of 6-mil plastic sheeting when working inside a building;
- Erecting a portable freestanding unit that will act as containment when cutting PCB Bulk Product or PCB Remediation Waste. The containment will be constructed of an impermeable material and secured in place to prevent the emission of dust or water. A second interior polyethylene sheeting liner will be attached within the unit that can be wiped down before moving the unit to the next work zone. Prior to demobilizing the unit and breaking down, the outer sheeting will be vacuumed and wet wiped cleaned. All containment materials will be managed with the PCB Remediation Waste. A HEPA air evacuation system will be used to capture dusts; and
- When working over plants or ground the area will be covered with polyethylene sheeting that extends at least three feet beyond the work limit.

4.1.2 Typical Means and Methods

Work Procedures

Means and methods will be utilized to minimize the generation of dust and debris and to contain them within the immediate work area. These methods include those typically used for asbestos abatement projects. In addition to the containment noted above this will include:

- Pre-cleaning work areas with HEPA vacuum and wet wiping;
- Before and after saw-cutting painted surface removing loose paint with hand tools;
- When saw cutting:
    - Use minimal water. When water is, limit dispersion areas, capture and manage as PCB containing waste;
    - Remove cutting water, dust, paint chips, and other debris using a vacuum; and
    - Vacuum and wet wipe clean the work area and containment prior to moving to the next location.
- All tools will be decontaminated with a double wipe of hexane or similar solvent. If not decontaminated, the portion of the tool in contact with the PCB Bulk Product Waste or PCB Remediation Waste will be managed with those materials (e.g. blades, cutting tools).

Air Monitoring

During periods when exterior concrete PCB Remediation Waste is being cut or demolished total dust monitoring will be performed. Work will stop and additional engineering controls deployed if dust levels exceed 150 $\mu g/m^3$ over background conditions. Background will be established by monitoring dust levels prior to the start of any demolition work. A dust monitor will be set up outside the work zone in the area nearest residence. This will typically be towards the southwest towards the Site parking lot.

Monitoring will not occur when there is precipitation. If concrete cutting work extends beyond four weeks and the results indicate that elevated dust levels do not exist, a request will be made to the EPA to suspend monitoring.

4.1.3 Pool Deck

The Pool Deck will be abated as follows:

- Remove gray expansion joint caulk with hand tools and mange as general demolition debris;
- Remove black expansion joint caulk and conservatively assume it contains PCBs > 50 ppm. This will require that this material be managed with the PCB Bulk Product Waste; and
- Cut concrete deck one foot out from Guard House caulk identified as PCB Bulk Product Waste. Manage concrete as PCB Remediation Waste (< 50 ppm).

4.1.4 Main Pool

The Main Pool abatement is comprised of three sub-tasks: 1) Gutter and associated PCB Bulk Product caulk; 2) vertical expansion joint caulk; and 3) bottom expansion joint caulk.

Pool Gutter:

- Remove the metal pool gutter and, if the caulk can readily be removed with hand tools, double wipe the gutter down with hexane or other similar solvent.
- Caulk will be managed as PCB Bulk Product Waste;
- If the gutter is cleaned, ATC will collect a confirmatory wipe sample every 30 feet. Each section will need to have a PCB concentration of < 10 µg/100 cm^2 for the material to be recycled. If this concentration cannot be achieved through additional cleaning, the gutter will be managed as PCB Remediation Waste;
- If the contractor chooses not to decontaminate the metal gutter, it shall be managed PCB Bulk Product Waste;
- As a conservative measure, the contractor will cut the top 6 inches of concrete wall where caulk was present as PCB Bulk Product Waste. At least this much concrete wall must be removed to support pool reconstruction;
- After concrete is removed, ATC will collect confirmation surficial bulk concrete samples every 10 feet for first 100 feet. If these results are all < 1 ppm, additional sampling will be at 30-foot intervals (note that the remaining concrete will be covered with a minimum of 8 inches of gunite);
- If caulk is in contact with soil behind the gutter the contractor will remove one foot of soil from joint. It will be assumed that this material has PCBs > 50 ppm and it will be managed with the PCB Bulk Product Waste;
- If soil is excavated, one post-excavation surficial soil sample will be collected for every 30 linear feet excavated (note that all soil will be covered with a minimum of 8 inches of gunite or new pool decking.). Backfilling and construction of new pool will not occur until confirmatory sample results are received; and
- If soil PCB concentrations are > 1 ppm, an additional one foot of soil will be excavated and the area retested.

Vertical Expansion Joint Caulk

- Vertical caulk at the three locations where pool transitions from shallow to deep will be removed with hand tools and managed with the PCB Bulk Product waste; and
- As a conservative measure, 6 inches of concrete on each side of the vertical joint will be cut out. Until additional data is available, it is assumed that this concrete may contain PCBs at > 50 ppm and will therefore be managed with the PCB Bulk Product Waste.

Bottom Expansion Joint Caulk

- Caulk will be removed with hand tools and as a conservative measure be managed with PCB Remediation Waste < 50 ppm PCBs.

Any paint/coating outside the work areas associated with the above subtasks that is removed will be managed as Excluded PCB Product at a waste management facility that can accept these types of debris with PCB concentrations up to 15 ppm.

4.1.5 Wading Pool

PCB Bulk Product and PCB Remediation Waste are not present in this area. The full pool will be removed. Any painted/coated debris will be will be managed as Excluded PCB Product at a

waste management facility that can accept these types of debris with PCB concentrations up to 15 ppm.

4.1.6 Guard House

The Guard House abatement is comprised of four sub-tasks: 1) Door caulk; 2) Interior floor joint; caulk; 3) Exterior floor joint caulk; and 4) First Aid Window.

Door Caulk

- Contractor will remove the metal door frames and associated caulk. If the caulk can readily be removed with hand tools, wipe frame down with hexane or other similar solvent;
- Caulk will be managed as PCB Bulk Product Waste;
- If metal door frame is cleaned, ATC will collect a confirmatory wipe sample from each frame. Each frame will need to have a PCB concentration of < 10 µg/100 cm^2 for the material to be recycled. If this concentration cannot be achieved through additional cleaning, the door frame will be managed as PCB Remediation Waste; and
- If the contractor chooses not to decontaminate the door frame, it shall be managed PCB Bulk Product Waste.

Interior Floor Caulk

- Remove caulk with hand tools and manage with the PCB Bulk Product waste;
- Cut concrete floor within 1 foot of joint out and manage as PCB Bulk Remediation Waste; and
- Remove one course (8-inch high) of interior wall CMU and manage with PCB Bulk Product Waste.

Exterior Foundation Caulk

- Remove caulk with hand tools and managed with the PCB Bulk Product waste;
- Cut concrete pool deck within 1 foot of joint out and manage as PCB Bulk Remediation Waste;
- Remove one course of interior wall CMU (8-inch high) and manage with PCB Remediation Waste;
- If caulk is in contact with soil the contractor will remove one foot back from joint. It will be assumed that this material has PCB > 50 ppm and it will be managed with the PCB Bulk Product Waste;
- If soil is excavated, one post-excavation surficial soil sample will be collected for every 30 linear feet excavated (note that all soil will be covered with new concrete decking); and
- If soil PCB concentrations are > 1 ppm, an additional one foot of soil will be excavated and the area retested, and the results confirmed prior to backfilling in kind as directed by the environmental consultant.

First Aid Window

- Remove entire window and associated caulking and manage as PCB Bulk Product Waste; and

- Remove one course of CMU block around window (both interior and exterior) and manage with PCB Bulk Product Waste.

4.1.7 Bath house

The Bath House abatement is comprised of two sub-tasks: 1) Door caulk; and 2) Interior floor joint caulk.

Door Caulk

- Contractor will remove the metal door frames and associated caulk. If the caulk can readily be removed with hand tools, wipe frame down with hexane or other similar solvent;
- Caulk will be managed as PCB Bulk Product Waste;
- If metal door frame is cleaned, ATC will collect a confirmatory wipe sample from each frame. Each frame will need to have a PCB concentration of < 10 µg/100 cm^2 for the material to be recycled. If this concentration cannot be achieved through additional cleaning. The gutter will be managed as PCB Remediation Waste; and
- If the contractor chooses not to decontaminate the door frame, it shall be managed PCB Bulk Product Waste.

Interior Floor Caulk

- Remove caulk with hand tools and managed with the PCB Bulk Product waste. This includes beneath door frame thresholds;
- Cut concrete floor within 18-inches of joint out and manage with PCB Bulk Product Waste. Care will be taken to minimize water use during saw cutting and to capture water; and
- Remove two courses (16-inches high) of interior wall CMU and manage with PCB Bulk Product Waste.

4.1.8 Filter Building

The Filter Building abatement is comprised of two sub-tasks: 1) Door caulk; and 2) Interior window caulk.

Door Caulk

- Contractor will remove the metal door frames and associated caulk. If the caulk can readily be removed with hand tools, wipe frame down with hexane or other similar solvent;
- Caulk will be managed as PCB Bulk Product Waste;
- If metal door frame is cleaned, ATC will collect a confirmatory wipe sample from each frame. Each frame will need to have a PCB concentration of < 10 µg/100 cm^2 for the material to be recycled. If this concentration cannot be achieved through additional cleaning. The gutter will be managed as PCB Remediation Waste;
- If the contractor chooses not to decontaminate the door frame, it shall be managed PCB Bulk Product Waste; and
- Remove one course of wall CMU (8-inches) and manage as PCB Remediation Waste.

Interior Window Caulk

- Remove window and caulk and manage as PCB Bulk Product Waste; and
- Remove one course of CMU block around window and manage as PCB Remediation Waste.

The paint/coating within the sump and other subsurface structures will be managed as Excluded PCB Product at a waste management facility that can accept these types of debris with PCB concentrations up to 15 ppm.

If there is still filter media in the treatment system, ATC will collect a sample for PCB analysis. If the media contains PCBs at a concentration ≥ 1 ppm, it will be managed as PCB Remediation Waste.

4.2 WASTE MANAGEMENT

PCB Bulk Product Waste and PCB Remediation Waste will be stored in appropriate containers, covered and secured in accordance with 40 CFR 761.65. PCB waste containers will be placed in a secure location approved by DCR and will be placarded on all sides as containing PCB waste with markings meeting the requirements of 40 CFR 761.40 and 761.45, as required.

Any water generated during this program will be managed in accordance with 40 CFR 761.61(a)(iv).

PCB Cleanup Waste (e.g. PPE, containment material, non-decontaminated tools) will be managed in accordance with 40 CFR 40.761.61(a)(5)(v).

Excluded PCB Product will be managed in conjunction with the general demolition debris generated during renovation of the Site. The landfill or waste recycling facility designated to accept this waste will be informed of the presence of PCBs in the waste stream.

Disposal of all waste will be in accordance with applicable state and federal regulations and in accordance with 40 CFR 761.61 and 761.62. The waste will be shipped by a licensed transporter and sent to licensed facilities that will receive and dispose PCB Bulk Product Waste and PCB Remediation Waste, in accordance with EPA regulations. The PCB Bulk Product Waste and PCB Remediation Waste ≥ 50 ppm will be shipped under a Uniform Hazardous Waste Manifest to Michigan Disposal Site #2 Landfill, Belleville, Michigan. As noted on ***Table 2*** and discussed in this Notification, some material types that are not PCB Bulk Product by definition will be managed with the PCB Bulk Product Waste as a conservative measure, due to the difficulty in segregating materials or out of convenience. For similar reasons, some Excluded PCB Product waste will be managed as PCB Bulk Product Waste or PCB Remediation Waste.

If PCB Bulk Product Wastes such as sealants are to be managed at an out of state RCRA facility in accordance with TSCA, exemption to the Massachusetts Hazardous Waste Regulations requirement to use a Uniform Hazardous Waste Manifest may be requested from the Massachusetts DEP. Any PCB Remediation Waste <50 ppm that is generated (PPE, containment materials, tools, etc.) may be shipped under a Non-Hazardous Waste Manifest instead of a hazardous waste manifest. Copies of all bills of landing, waste shipment records, and certificates of disposal will be provided to DCR as proof of proper disposal.

Note that the door caulk has also been identified as containing asbestos. All the door caulk will be managed in accordance with PCB and asbestos management requirements. If there is a conflict between these requirements, the more stringent requirement will prevail.

4.3 SCHEDULE FOR IMPLEMENTATION

In accordance with the TSCA regulations at 40 CFR 761.61(a)(3), DCR plans to begin implementation of the plan outlined in this Notification after a 30-day review period by the U.S. EPA, unless comments are received from the PCB coordinator of the U.S. EPA - Region 1 before end of that review period.

DCR estimates that the work outlined in this Notification will take approximately one month.

4.4 STATE OR LOCAL PERMITS AND APPROVALS

State and/or local permits and/or inspections will not be necessary specifically for PCB abatement activities. Permits will be obtained as required for any demolition and asbestos abatement projects. Per 40 CFR 761.61(a)(3)(i), the director of the Massachusetts DEP and the director of the Southbridge Health Department have been copied on this Notification.

5 DCR CERTIFICATION

This Section of the Notification provides the certification required by **40 CFR 761.61(a)(3)(i)(E)**.

I certify that the Self-Implementing Clean-up Plan proposed in this document will meet the following requirements:

> All sampling plans, sample collection procedures, sample preparation procedures, extraction procedures, and instrumental/chemical analysis procedures used to assess or characterize the PCB contamination at the cleanup site are or will be on file at the following location and are available for U.S. EPA inspection:
>
> John P. Murray
> Deputy Commissioner for Operation
> Department of Conservation and Recreation
> 251 Causeway Street
> Boston, Massachusetts 20114-2119
> Jack.murray@state.ma.us

Signature

10/28/11

Date

Figures

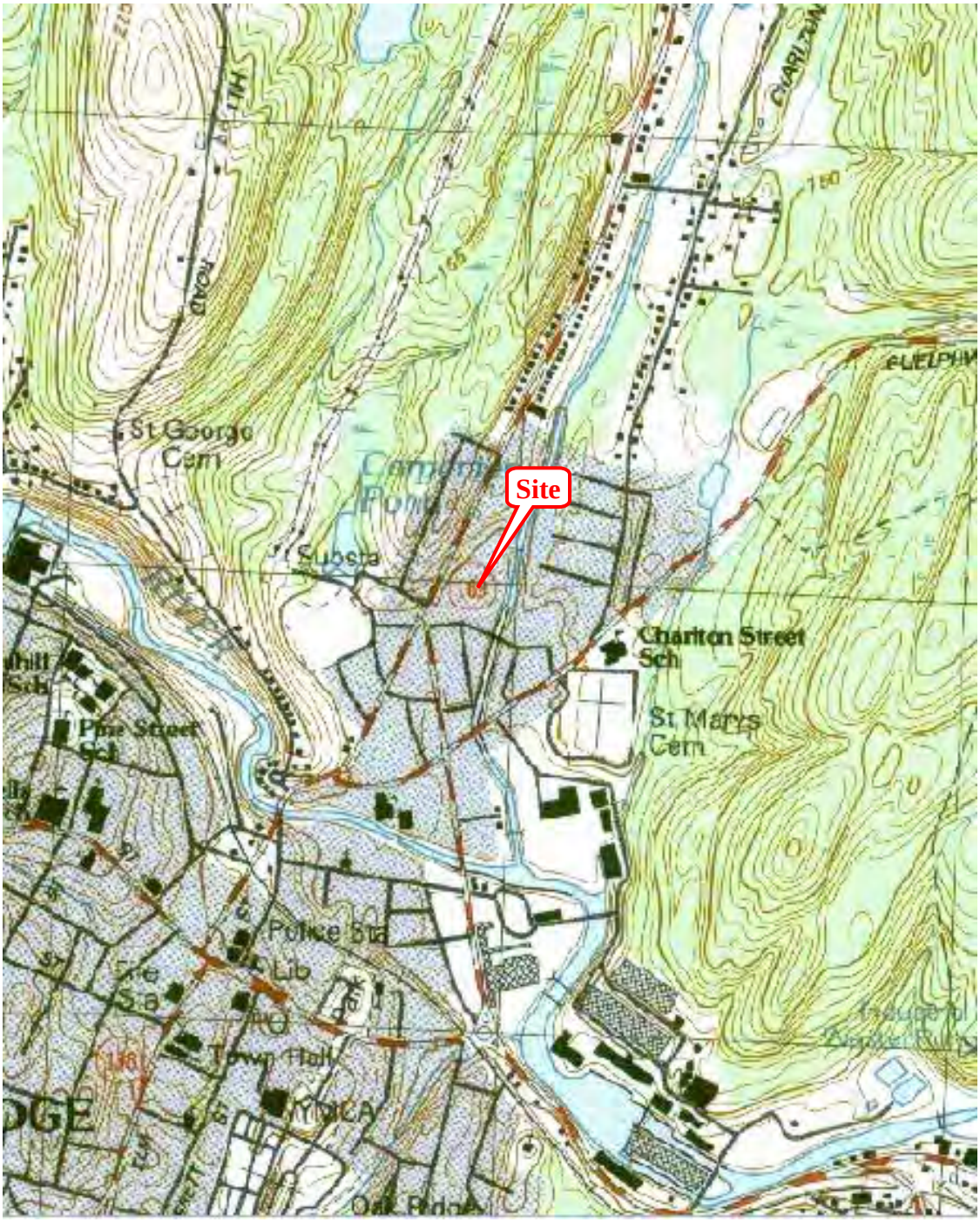


Figure 1: Site Vicinity Map

Source: MassGIS USGS Topographic Maps Office of Geographic and Environmental Information (MassGIS), Commonwealth of Massachusetts Executive Office of Environmental Affairs (9/27/11)	VATC ASSOCIATES INC	**TSCA Self-Implementing Clean-up of PCBs** **Andrew J. Petro Swimming Pool** Gibrater Field, Randolph Street Southbridge, Massachusetts 01550

GENERAL DEMOLITION NOTES

1. DEFINITIONS
   Remove: Detach items from existing construction and legally dispose of them off-site, unless indicated to be removed and salvaged or removed and reinstalled.

   Remove and Salvage: Detach items from existing construction, store and protect until reinstalled in the new work.

   Remove and Reinstall: Detach items from existing construction, prepare them for reuse, and reinstall them where indicated.

   Existing to Remain: Existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.

2. Demolition Drawings define demolition (work) to be performed by the General Contractor as well as the masonry filed subcontractor. Keyed notes **DX.X** Indicates demolition work by General Contractor. Keyed notes **MDX.X** Indicate masonry demolition work by masonry filed subcontractor.

3. Demolition Scope includes removal of all discarded equipment and debris within the building.

4. Masonry Demolition: It is the intent of the project to remove, salvage, and reuse as much of the existing clay bricks as possible. New masonry work will be a combination of reused exisitng clay bricks, supplemented by new units that match existing in size, texture & color.

5. Disconnection from electrical service by electrical contractor. Refer to electrical drawings for electrical demolition scope.

6. Disconnection from plumbing services by plumbing contractor. Refer to plumbing drawings for plumbing demolition scope.

MASONRY DEMOLITION NOTES (PART OF MASONRY FILED SUB-BID)
MARK: MD X.XX

MD1.1 Remove masonry wall to extents shown on plans and elevations, including wall assembly, windows and doors in the assembly at the removed area, and all associated parts and anchors.

MD1.2 Remove damaged masonry and surrounding mortar joints to clean and stable masonry substrate for preparation to install new replacement block.

DEMOLITION KEYED NOTES
MARK: D.X.XX

D1.0 Remove existing concrete slab to accommodate new pool piping.

D1.1 Existing concrete pipe tunnel; core and remove as required to accommodate new pool piping.

D1.2 Remove existing concrete slab on grade, shown toned. Note that slab appears to be doweled into existing pool perimeter.

D1.3 Reserved.

D1.4 Remove existing wading pool in its entirety, including but not limited to fountain, valve & pump pit, perimeter walls and slab on grade, and associated piping.

D1.5 Remove existing pool gutter in its entirety, including steel gutter pin, and dowelling.

D1.6 Sawcut and remove top of existing pool wall as required to install new gutter assembly. Refer to A201 for relation of existing construction to new construction.

D1.7 Remove existing stair rails and sockets, typical for 4.

D1.8 Demolish existing lifeguard chair in its entirety, including footing.

D1.9 Demolish existing pool ladder assembly.

D1.10 Assume existing foundations for former diving boards are in place. Remove them in their entirety.

D1.11 Reserved.

D1.12 Remove existing chain link fence, including fabric, posts, rails, gates, hardware, and footings. The fence is approximately 3'-6" high.

D1.13 Remove existing chain link fence, including fabric, posts, rails, gates, hardware, and footings. The fence is approximately 6'-0" high.

D1.14 Existing trees to remain; protect during all demolition and construction activities.

D1.15 Existing planting beds to remain; protect during all demolition and construction activities.

D1.16 Existing shrubs to remain; protect during all demolition and construction activities.

D1.17 Existing lawn area to remain; protect during all demolition and construction activities.

D1.18 Remove existing metal grating assembly in its entirety.

D1.19 Remove existing metal grating assembly in its entirety, including but not limited to steel channels, perimeter aluminum angles, intermediate supports, miscellaneous supports, and associated parts.

D1.20 Reserved.

D1.21 Existing ladder to remain; clean, inspect in field and repair where deteriorated.

D1.22 Remove existing ladder assembly in its entirety, including anchors and associated parts.

D1.23 Existing railing assembly to remain; protect during construction.

D1.24 Remove existing railing assembly in its entirety, including anchors, supports, and hardware.

D1.25 Remove existing door assembly, including door, frame, anchors, hardware, and all associated parts.

D1.26 Remove existing paint finish on concrete and concrete masonry surfaces with a light water blast, typical at vertical surfaces where there is existing paint.

D1.27 through D1.30 Reserved

D1.31 Remove existing pool filter assembly including but not limited to filter media, baffles, piping, valves, and all appurtenances. Cap and cover all penetrations not used in new work and grout solid.

D1.32 Remove existing filter equipment including but not limited to pumps, pads, supports, piping, valves, and utility connections not used in new work. Cap and cover all penetrations not used in new work and grout solid.

D1.33 Remove existing filter equipment including but not limited to filters, face piping, valves, piping, supports, chemical crocks, tanks, control equipment, chemical equipment, and utility connections not reused in new work.

D1.34 Expansion joint in existing pool on 12" x 6" seam footing, to remain.

D1.35 Existing main drain, to remain.

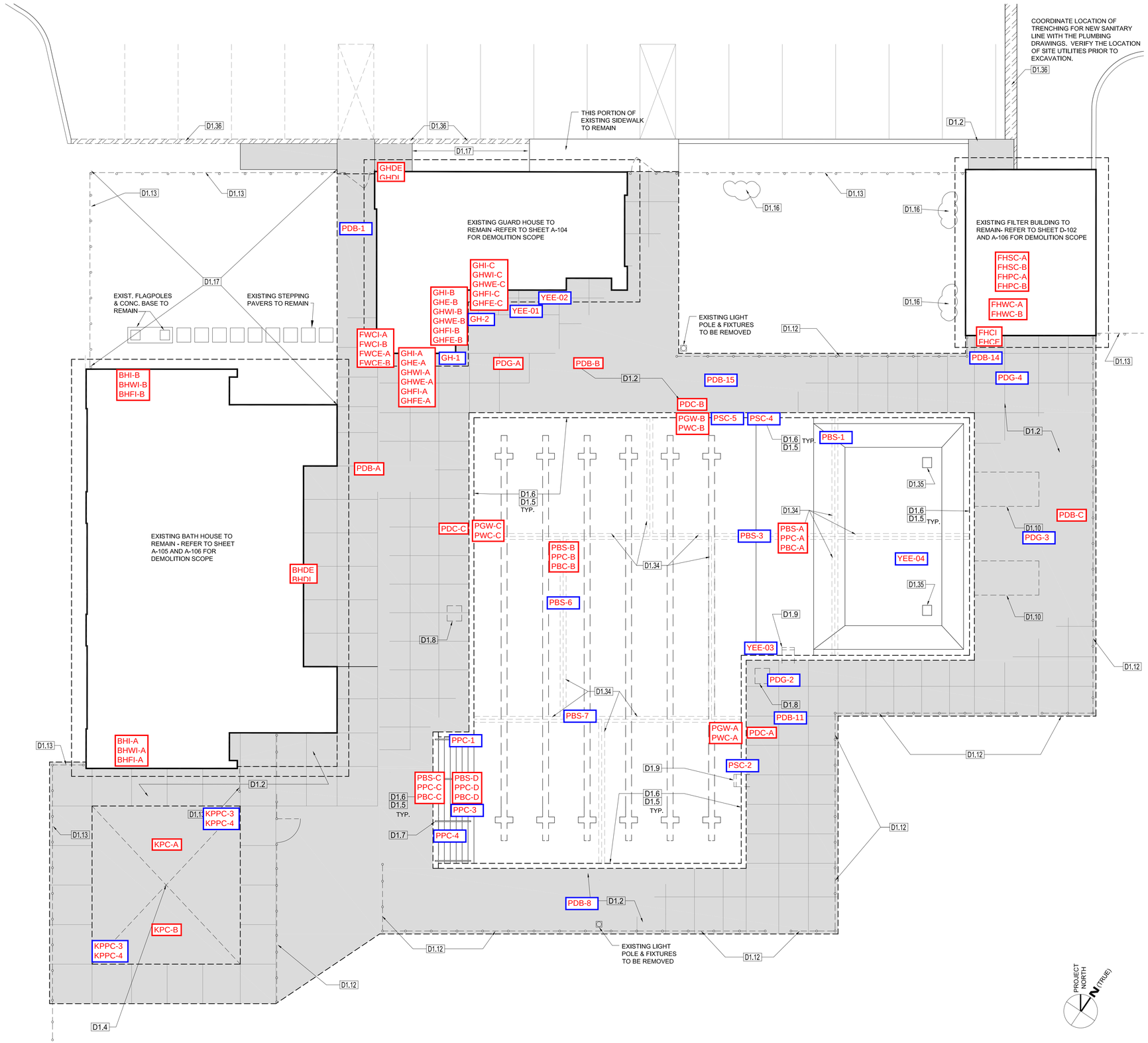
D1.36 Remove existing asphalt curb/pavement, including any footing or doweling present.

D1.37 Remove existing building-mounted light fixture.

LEGEND:

EXISTING ASPHALT CURB TO BE DEMOLISHED, INCLUDING FOOTING IF PRESENT

EXISTING CONCRETE SLAB ON GRADE TO BE DEMOLISHED, INCLUDING DOWELING AND REINFORCEMENT WHERE PRESENT



ARCHITECT

bh+a

Bargmann Hendrie + Archetype, Inc.
300 A Street
Boston, MA 02210
617 350-0450 Tel
617 350-0215 Fax
www.bhplus.com

PROJECT NAME

Andrew J. Petro Pool

Randolph Street
Southbridge, MA

CLIENT

Department of Conservation and Recreation

251 Causeway Street
Boston, Ma 02114

PROJECT TEAM

MEP ENGINEER
Allied Consulting Engineering Services, Inc.
215 Boston Post Road
Sudbury, MA 01776
978 443-7888 Tel
978 443-4636 Fax

PDB-A — Samples Collected by ATC

PBS-1 — Samples Collected by Previous Consultants

REVISIONS

1
2
3
4
5
DATE

DRAWING TITLE

Pool and Pool Deck Demolition Plan

DRAWING INFORMATION

May 24, 2011
DATE OF ISSUE

DESCRIPTION

1/8" = 1'-0"
SCALE

-
DRAWN BY

2724.00
PROJECT #

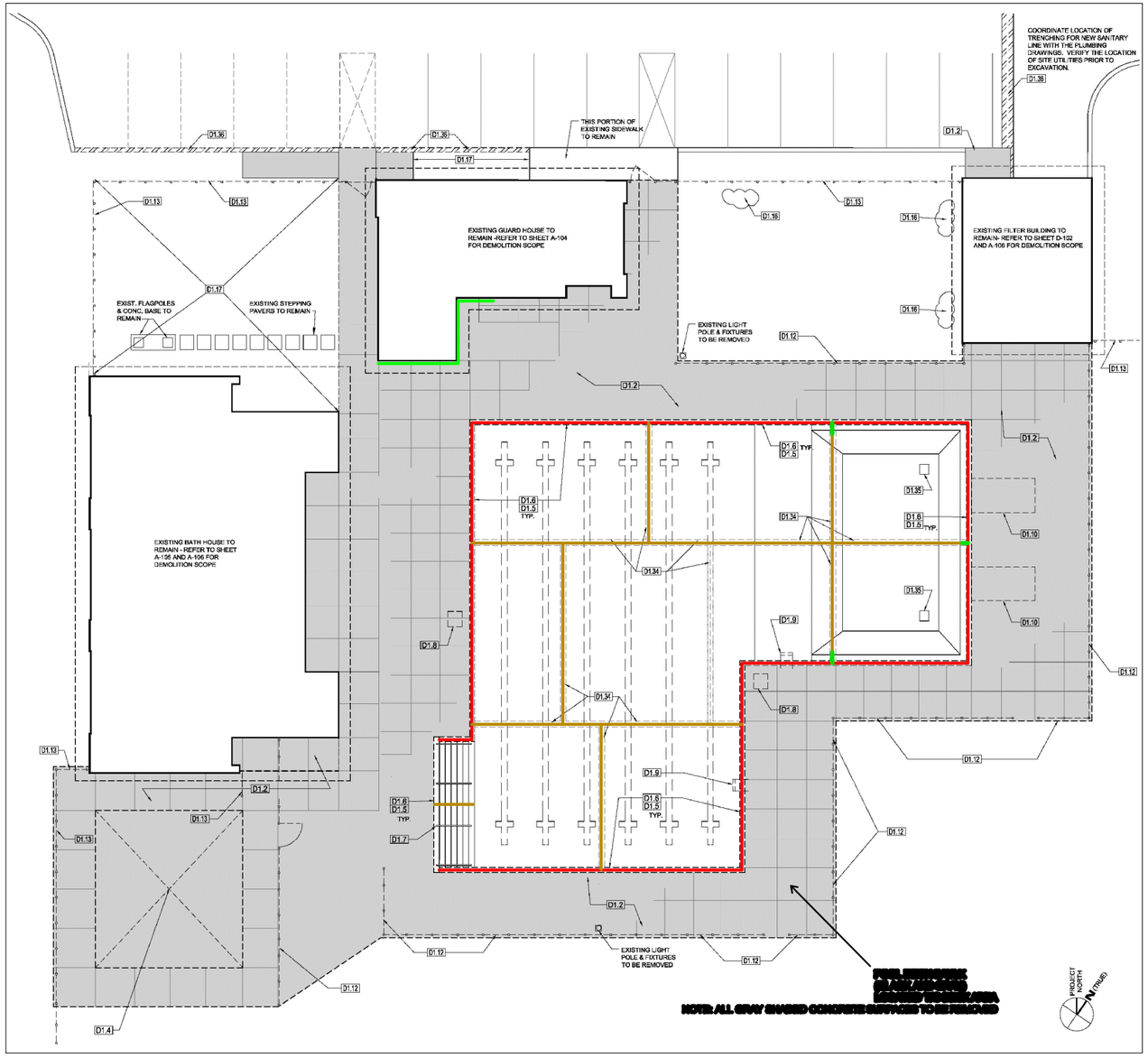
D-101dwg
FILE NAME

DRAWING NUMBER

D-101

Copyright BH+A, Inc.

p:\2724_abp\dwg\03-cd\ 101_2724.dwg ladiamme, roger



LEGEND

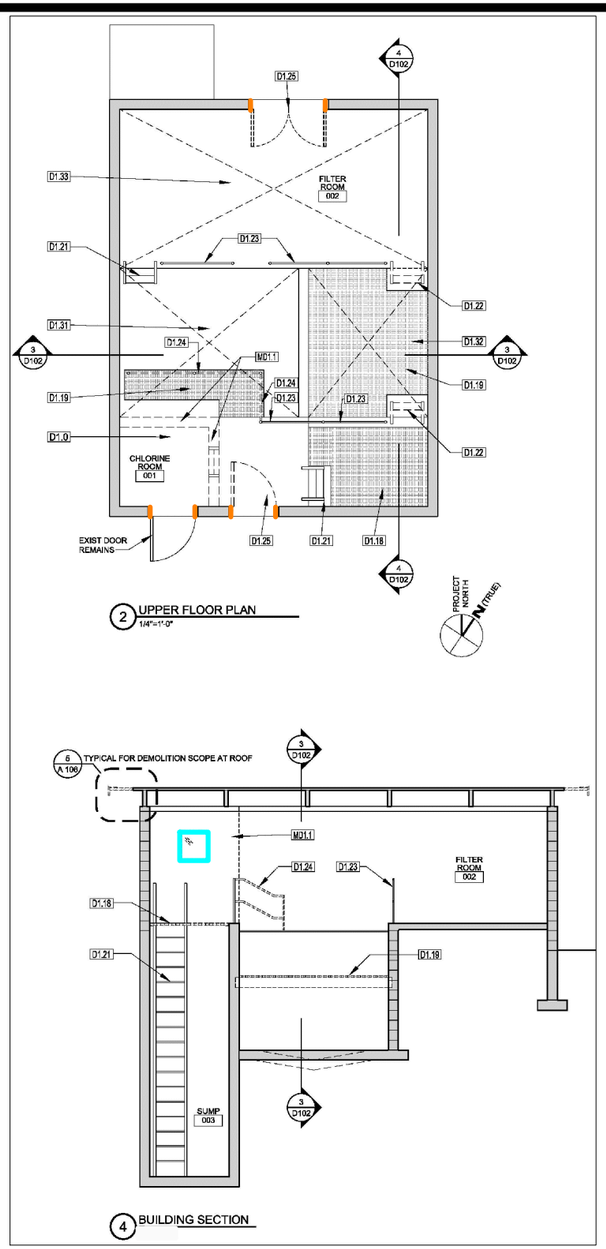
- POOL GUTTER SILL CAULK
- INTERIOR FOUNDATION CAULK
- EXTERIOR FOUNDATION CAULK
- INTERIOR WINDOW CAULK (GLAZING)
- INTERIOR WINDOW FRAME CAULK
- INTERIOR AND EXTERIOR DOOR FRAME CAULK
- POOL BOTTOM SEAM CAULK
- POOL WALL SEAM CAULK

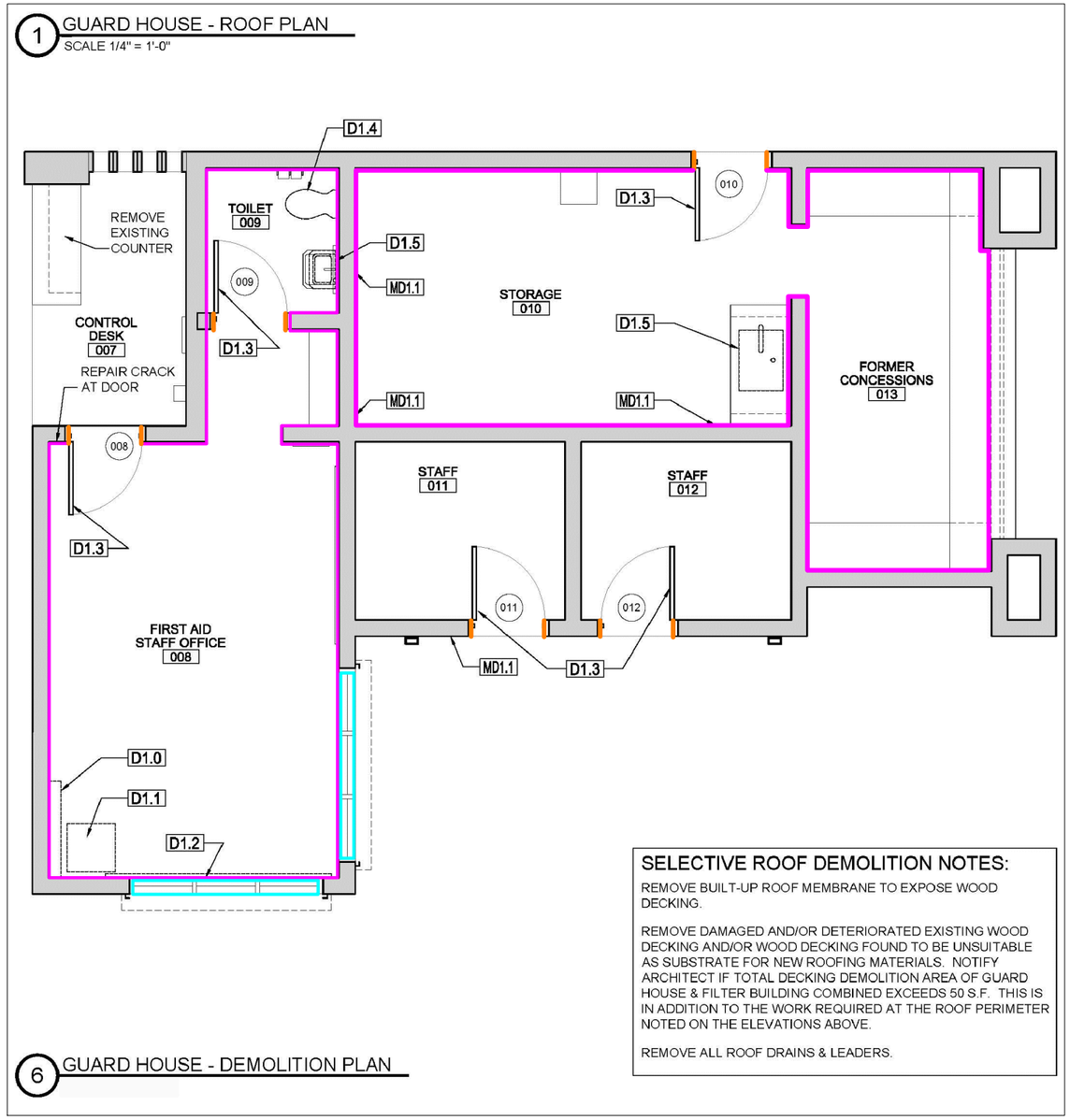
NOTES: BASE PLAN SOURCE: POOL AND POOL DECK DEMOLITION PLANS, BH+A, MAY 2011

EXTERIOR POOL AND DECK PCB BULK PRODUCT SEALANT LOCATIONS
ANDREW J. PETRO POOL
RANDOLPH STREET
SOUTHBRIDGE , MA
01550

PROJECT NUMBER: 060.29841.0002	FIGURE NUMBER: 3
SCALE: NTS	CHECKED BY: CA
DRAWN BY: JAB	REVISED BY:
DRAWING FILE: H:\Enviro\Clients - Projects\A - F\DCR\Southbridge	

ATC ASSOCIATES INC.
600 West Cummings Park, Suite 5450
Woburn, Massachusetts 01801-6350
Tel.(781)932-9400 Fax.(781)932-6211





SELECTIVE ROOF DEMOLITION NOTES:

REMOVE BUILT-UP ROOF MEMBRANE TO EXPOSE WOOD DECKING.

REMOVE DAMAGED AND/OR DETERIORATED EXISTING WOOD DECKING AND/OR WOOD DECKING FOUND TO BE UNSUITABLE AS SUBSTRATE FOR NEW ROOFING MATERIALS. NOTIFY ARCHITECT IF TOTAL DECKING DEMOLITION AREA OF GUARD HOUSE & FILTER BUILDING COMBINED EXCEEDS 50 S.F. THIS IS IN ADDITION TO THE WORK REQUIRED AT THE ROOF PERIMETER NOTED ON THE ELEVATIONS ABOVE.

REMOVE ALL ROOF DRAINS & LEADERS.

LEGEND

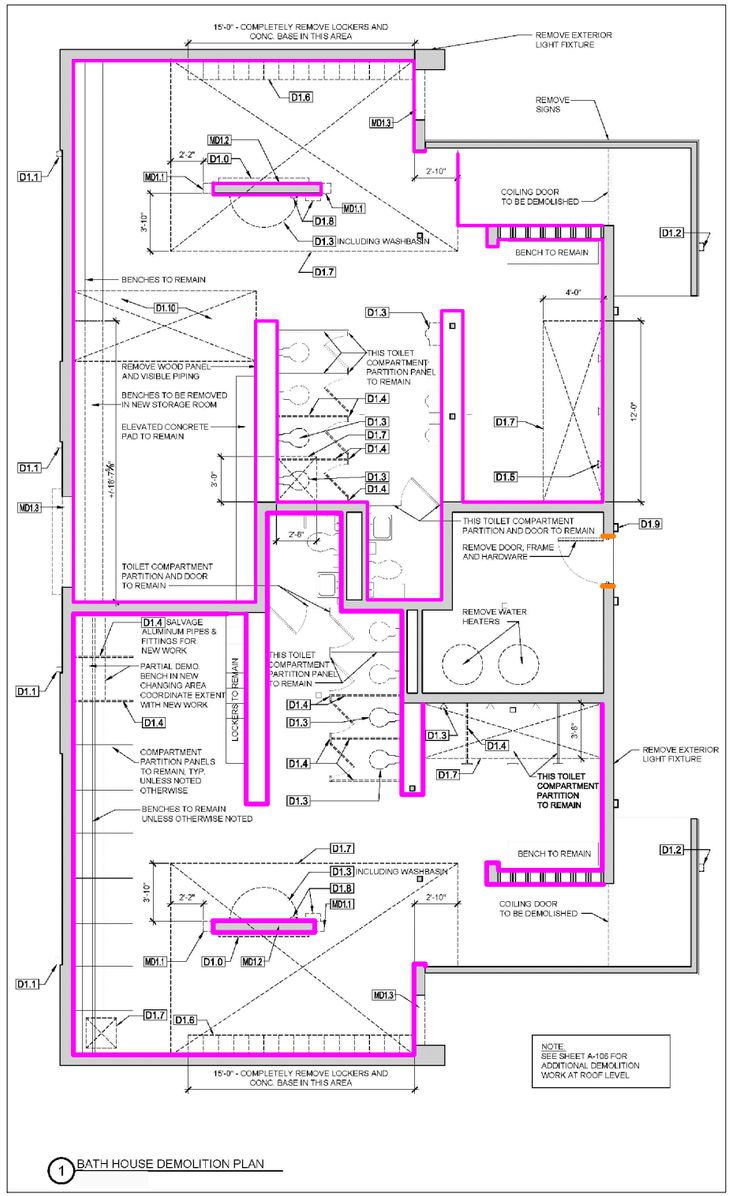
- POOL GUTTER SILL CAULK
- INTERIOR FOUNDATION CAULK
- EXTERIOR FOUNDATION CAULK
- INTERIOR WINDOW CAULK (GLAZING)
- INTERIOR WINDOW FRAME CAULK
- INTERIOR AND EXTERIOR DOOR FRAME CAULK
- POOL WALL SEAM CAULK

NOTES: BASE PLAN SOURCE: GUARD AND FILTER HOUSE DEMOLITION PLANS, BH+A, MAY 2011

GUARD/FILTER HOUSE PCB BULK PRODUCT SEALANT LOCATIONS
ANDREW J. PETRO POOL
RANDOLPH STREET
SOUTHBRIDGE , MA
01550

PROJECT NUMBER: 060.29841.0002	FIGURE NUMBER: 4
SCALE: NTS	CHECKED BY: CA
DRAWN BY: JAB	REVISED BY:
DRAWING FILE: H:\Enviro\Clients - Projects\A - F\DCR\Southbridge	

ATC ASSOCIATES INC.
600 West Cummings Park, Suite 5450
Woburn, Massachusetts 01801-6350
Tel.(781)932-9400 Fax.(781)932-6211



1 BATH HOUSE DEMOLITION PLAN

LEGEND

- POOL GUTTER SILL CAULK
- INTERIOR FOUNDATION CAULK
- EXTERIOR FOUNDATION CAULK
- INTERIOR WINDOW CAULK (GLAZING)
- INTERIOR WINDOW FRAME CAULK
- INTERIOR AND EXTERIOR DOOR FRAME CAULK
- POOL WALL SEAM CAULK

NOTES: BASE PLAN SOURCE: BATH HOUSE DEMOLITION PLAN, BH+A, MAY 2011

BATH HOUSE BUILDING PCB BULK PRODUCT SEALANT LOCATIONS
ANDREW J. PETRO POOL
RANDOLPH STREET
SOUTHBRIDGE , MA
01550

PROJECT NUMBER: 060.29841.0002	FIGURE NUMBER: 5
SCALE: NTS	CHECKED BY: CA
DRAWN BY: JAB	REVISED BY:
DRAWING FILE: H:\Enviro\Clients - Projects\A - F\DCR\Southbridge	

ATC ASSOCIATES INC.
600 West Cummings Park, Suite 5450
Woburn, Massachusetts 01801-6350
Tel.(781)932-9400 Fax.(781)932-6211

Tables

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	PDG-A	PDB-A	PDB-A1	PDB-B	PDB-C	PDC-A ADJ	PDC-A1 ADJ	PDC-B ADJ	PDC-C ADJ	PGW-A	PGW-B	PWC-A ADJ S	PWC-B ADJ S	PWC-C ADJ S
Sample Type	Caulk	Caulk	Caulk	Caulk	Caulk	Concrete	Concrete	Concrete	Concrete	Wipe	Wipe	Concrete	Concrete	Concrete
Sample Location	Pool Deck Area	Pool Deck Area	Pool Deck Area	Pool Deck Area	Pool Deck Area	Pool Deck Area	Pool Deck Area	Pool Deck Area	Pool Deck Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area
Sampling Date	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/1/2011	9/1/2011	9/9/2011	9/9/2011	9/9/2011
Submission Date	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/7/2011	9/7/2011	9/12/2011	9/12/2011	9/12/2011
Aroclor 1016	ND (0.91)	**ND (9.3) ***	**ND (9.5) ***	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)	ND (0.091)
Aroclor 1221	ND (0.91)	**ND (9.3) ***	**ND (9.5) ***	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)	ND (0.091)
Aroclor 1232	ND (0.91)	**ND (9.3) ***	**ND (9.5) ***	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)	ND (0.091)
Aroclor 1242	ND (0.91)	**ND (9.3) ***	**ND (9.5) ***	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)	ND (0.091)
Aroclor 1248	ND (0.91)	**ND (9.3) ***	**ND (9.5) ***	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)	ND (0.091)
Aroclor 1254	ND (0.91)	**27**	**34**	**1.5**	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)	ND (0.091)
Aroclor 1260	ND (0.91)	**ND (9.3) ***	**ND (9.5) ***	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)	ND (0.091)
Aroclor 1262	ND (0.91)	**ND (9.3) ***	**ND (9.5) ***	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)	ND (0.091)
Aroclor 1268	ND (0.91)	**ND (9.3) ***	**ND (9.5) ***	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)	ND (0.091)
QA/QC Notes		**2**	**2**	3	3									

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	PWC-A ADJ D	PWC-B ADJ D	PWC-C ADJ D	PWC-A 6"	PWC-B 6"	PBS-A	PBS-A1	PBS-C	PBS-D	PBC-A-ADJ S	PBC-B ADJ S	PBC-C ADJ S	PBC-D ADJ S	PBC-A ADJ D
Sample Type	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Sample Location	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area
Sampling Date	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011
Submission Date	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/7/2011	9/7/2011	9/7/2011	9/28/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011
Aroclor 1016	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	**ND (18) ***	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1221	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	**ND (18) ***	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1232	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	**ND (18) ***	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1242	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	**ND (18) ***	**14**	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1248	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	**ND (18) ***	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1254	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	**ND (18) ***	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1260	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	**ND (18) ***	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1262	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	**ND (18) ***	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1268	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	**ND (18) ***	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.091)	ND (0.10)
QA/QC Notes								1,2						

QA/QC Notes:
1 = Elevated reporting li
2 = The surrogate recov
3 = The surrogate recov

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	PBC-B ADJ D	PBC-C ADJ D	PBC-D ADJ D	PBC-A 12"	PBC-B 12"	PBC-C 12"	PBC-D 12"	PPC-A	PPC-B	PPC-C	PPC-D	KPC-A S	KPC-A D	KPC-B
Sample Type	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Paint Chip	Paint Chip	Paint Chip	Paint Chip	Concrete	Concrete	Concrete
Sample Location	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Wading Pool Area	Wading Pool Area	Wading Pool Area
Sampling Date	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011
Submission Date	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011
Aroclor 1016	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.10)
Aroclor 1221	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.10)
Aroclor 1232	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.10)
Aroclor 1242	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.10)
Aroclor 1248	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.10)
Aroclor 1254	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	**0.52**	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)	ND (0.10)	**0.25**	ND (0.10)
Aroclor 1260	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.10)
Aroclor 1262	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.10)
Aroclor 1268	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.10)
QA/QC Notes														

QA/QC Notes:
1 = Elevated reporting li
2 = The surrogate recov
3 = The surrogate recov

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	GHDI	GHDE	GHI-A	GHFI-C ADJ	GHFI-A 6"	GHFI-B 6"	GHWI-A Adj	GHWI-A1 Adj	GHWI-B Adj	GHWI-C ADJ	GHWI-A 1 BLOCK	GHWI-B 1 BLOCK	GHWI-C 1 BLOCK	GHE-A
Sample Type	Caulk	Caulk	Caulk	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Caulk
Sample Location	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House
Sampling Date	9/1/2011	9/1/2011	9/1/2011	9/9/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/9/2011	9/6/2011	9/6/2011	9/9/2011	9/9/2011
Submission Date	9/7/2011	9/7/2011	9/7/2011	9/12/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/12/2011	9/28/2011	9/28/2011	9/12/2011	9/12/2011
Aroclor 1016	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	**ND (19) ***	**ND (9.1) ***	**ND (87) ***	ND (0.095)	ND (0.10)	ND (0.095)	ND (0.095)	**ND (190) ***
Aroclor 1221	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	**ND (19) ***	**ND (9.1) ***	**ND (87) ***	ND (0.095)	ND (0.10)	ND (0.095)	ND (0.095)	**ND (190) ***
Aroclor 1232	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	**ND (19) ***	**ND (9.1) ***	**ND (87) ***	ND (0.095)	ND (0.10)	ND (0.095)	ND (0.095)	**ND (190) ***
Aroclor 1242	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	**ND (19) ***	**ND (9.1) ***	**ND (87) ***	ND (0.095)	ND (0.10)	ND (0.095)	ND (0.095)	**ND (190) ***
Aroclor 1248	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	**ND (19) ***	**ND (9.1) ***	**ND (87) ***	ND (0.095)	ND (0.10)	ND (0.095)	ND (0.095)	**ND (190) ***
Aroclor 1254	**10**	**1.2**	**180,000**	**0.23**	**1.5**	**1.9**	**99**	**48**	**740**	ND (0.095)	**0.31**	**0.96**	**0.22**	**ND (190) ***
Aroclor 1260	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	**ND (19) ***	**ND (9.1) ***	**ND (87) ***	ND (0.095)	ND (0.10)	ND (0.095)	ND (0.095)	**ND (190) ***
Aroclor 1262	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	**ND (19) ***	**ND (9.1) ***	**ND (87) ***	ND (0.095)	ND (0.10)	ND (0.095)	ND (0.095)	**ND (190) ***
Aroclor 1268	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	**ND (19) ***	**ND (9.1) ***	**ND (87) ***	ND (0.095)	ND (0.10)	ND (0.095)	ND (0.095)	**ND (190) ***
QA/QC Notes			**2**				**2**	**2**	**2**					**1,2**

QA/QC Notes:
1 = Elevated reporting li
2 = The surrogate recov
3 = The surrogate recov

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	GHE-B	GHFE-A ADJ	GHFE-B ADJ	GHFE-C ADJ	GHFE-A 6"	GHFE-B 6"	GHFE-A 12"	GHFE-B 12"	GHFE-C 12"	GHWE-A Adj	GHWE-B Adj	GHWE-C 1 Block	FWCI-A Adj	FWCI-B Adj
Sample Type	Caulk	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Sample Location	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House
Sampling Date	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/6/2011	9/6/2011	9/9/2011	9/6/2011	9/6/2011
Submission Date	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/28/2011	9/28/2011	9/28/2011	9/7/2011	9/7/2011	9/12/2011	9/7/2011	9/7/2011
Aroclor 1016	**ND (190) ***	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	**ND (1000) ***
Aroclor 1221	**ND (190) ***	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	**ND (1000) ***
Aroclor 1232	**ND (190) ***	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	**ND (1000) ***
Aroclor 1242	**ND (190) ***	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	**ND (1000) ***
Aroclor 1248	**ND (190) ***	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	**ND (1000) ***
Aroclor 1254	**ND (190) ***	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	**1.6**	ND (0.10)	ND (0.091)	ND (0.10)	**0.27**	**0.18**	**0.39**	**2.4**	**7,300**
Aroclor 1260	**ND (190) ***	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	**ND (1000) ***
Aroclor 1262	**ND (190) ***	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	**ND (1000) ***
Aroclor 1268	**ND (190) ***	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	**ND (1000) ***
QA/QC Notes	1,2													2

QA/QC Notes:
1 = Elevated reporting li
2 = The surrogate recov
3 = The surrogate recov

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	FWCI-A 1 Block	FWCI-B 1 Block	FWCE-A Adj	FWCE-B Adj	FWCE-A 1 Block	FWCE-B 1 Block	BHDI	BHDE	BHI-A	BHI-B	BHWI-A Adj	BHWI-B Adj	BHWI-A 1 Block	BHFI-A Adj
Sample Type	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Caulk	Caulk	Caulk	Caulk	Concrete	Concrete	Concrete	Concrete
Sample Location	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House
Sampling Date	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/1/2011	9/1/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011
Submission Date	9/14/2011	9/28/2011	9/7/2011	9/7/2011	9/28/2011	9/28/2011	9/7/2011	9/7/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011
Aroclor 1016	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	**ND (340) ***	ND (0.84)	**ND (38000) ***	**ND (20000) ***	**ND (45) ***	**ND (19) ***	ND (0.35)	**ND (870) ***
Aroclor 1221	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	**ND (340) ***	ND (0.84)	**ND (38000) ***	**ND (20000) ***	**ND (45) ***	**ND (19) ***	ND (0.35)	**ND (870) ***
Aroclor 1232	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	**ND (340) ***	ND (0.84)	**ND (38000) ***	**ND (20000) ***	**ND (45) ***	**ND (19) ***	ND (0.35)	**ND (870) ***
Aroclor 1242	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	**ND (340) ***	ND (0.84)	**ND (38000) ***	**ND (20000) ***	**ND (45) ***	**ND (19) ***	ND (0.35)	**ND (870) ***
Aroclor 1248	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	**ND (340) ***	ND (0.84)	**ND (38000) ***	**ND (20000) ***	**ND (45) ***	**ND (19) ***	ND (0.35)	**ND (870) ***
Aroclor 1254	**0.2**	**0.37**	**7.2**	ND (0.087)	**0.23**	ND (0.095)	**1,800**	**4.8**	**240,000**	**160,000**	**530**	**99**	**1.5**	**3,300**
Aroclor 1260	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	**ND (340) ***	ND (0.84)	**ND (38000) ***	**ND (20000) ***	**ND (45) ***	**ND (19) ***	ND (0.35)	**ND (870) ***
Aroclor 1262	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	**ND (340) ***	ND (0.84)	**ND (38000) ***	**ND (20000) ***	**ND (45) ***	**ND (19) ***	ND (0.35)	**ND (870) ***
Aroclor 1268	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	**ND (340) ***	ND (0.84)	**ND (38000) ***	**ND (20000) ***	**ND (45) ***	**ND (19) ***	ND (0.35)	**ND (870) ***
QA/QC Notes							2		2	2	2	2		2

QA/QC Notes:
1 = Elevated reporting li
2 = The surrogate recov
3 = The surrogate recov

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	BHFI-B Adj	BHFI-B1 Adj	BHFI-A 6"	BHFI-A 12"	BHFI-B 12"	FHWC-A Adj	FHWC-B Adj	FHWC-A 1 Block	FHWC-B 1 Block	FHCI Adj	FHCI 1 Block	FHCE Adj	FHCE 1 Block	FHSC-A
Sample Type	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Sample Location	Bath House	Bath House	Bath House	Bath House	Bath House	Filter House	Filter House	Filter House	Filter House	Filter House	Filter House	Filter House	Filter House	Filter House
Sampling Date	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011
Submission Date	9/12/2011	9/12/2011	9/12/2011	9/28/2011	9/28/2011	9/7/2011	9/7/2011	9/28/2011	9/28/2011	9/7/2011	9/28/2011	9/7/2011	9/28/2011	9/7/2011
Aroclor 1016	ND (0.50)	**ND (43) ***	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	**ND (50) ***	ND (0.091)	ND (0.10)
Aroclor 1221	ND (0.50)	**ND (43) ***	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	**ND (50) ***	ND (0.091)	ND (0.10)
Aroclor 1232	ND (0.50)	**ND (43) ***	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	**ND (50) ***	ND (0.091)	ND (0.10)
Aroclor 1242	ND (0.50)	**ND (43) ***	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	**ND (50) ***	ND (0.091)	ND (0.10)
Aroclor 1248	ND (0.50)	**ND (43) ***	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	**ND (50) ***	ND (0.091)	ND (0.10)
Aroclor 1254	**3.7**	**440**	**12**	**2.3**	**0.26**	**1**	**1.8**	**0.39**	ND (0.10)	**6.9**	ND (0.091)	**350**	ND (0.091)	ND (0.10)
Aroclor 1260	ND (0.50)	**ND (43) ***	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	**ND (50) ***	ND (0.091)	ND (0.10)
Aroclor 1262	ND (0.50)	**ND (43) ***	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	**ND (50) ***	ND (0.091)	ND (0.10)
Aroclor 1268	ND (0.50)	**ND (43) ***	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	**ND (50) ***	ND (0.091)	ND (0.10)
QA/QC Notes		2										2		

QA/QC Notes:
1 = Elevated reporting li
2 = The surrogate recov
3 = The surrogate recov

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	FHSC-B	FHPC-A	FHPC-B
Sample Type	Concrete	Paint Chip	Paint Chip
Sample Location	Filter House	Filter House	Filter House
Sampling Date	9/6/2011	9/9/2011	9/9/2011
Submission Date	9/7/2011	9/12/2011	9/12/2011
Aroclor 1016	ND (0.10)	ND (0.37)	ND (1.4)
Aroclor 1221	ND (0.10)	ND (0.37)	ND (1.4)
Aroclor 1232	ND (0.10)	ND (0.37)	ND (1.4)
Aroclor 1242	ND (0.10)	ND (0.37)	ND (1.4)
Aroclor 1248	ND (0.10)	ND (0.37)	ND (1.4)
Aroclor 1254	0.1	6.3	15
Aroclor 1260	ND (0.10)	ND (0.37)	ND (1.4)
Aroclor 1262	ND (0.10)	ND (0.37)	ND (1.4)
Aroclor 1268	ND (0.10)	ND (0.37)	ND (1.4)
QA/QC Notes			

QA/QC Notes:
1 = Elevated reporting li
2 = The surrogate recov
3 = The surrogate recov

TABLE 2
PCBs in Building Materials Evaluation
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts

Sample ID	Material	Sample Location	PCB Concentration ppm unless noted	Material Type	Waste Management Determination	Sample Date
Pool Deck						
YEE-01	Grey Caulk	Expansion Joint	ND (1.670)			12/5/08
PDG -2	Grey Caulk	Expansion Joint	ND (0.14)			4/29/11
PDG -3	Grey Caulk	Expansion Joint	ND (0.0651)	**Demo Debris**	**Demo Debris**	4/29/11
PDG -4	Grey Caulk	Expansion Joint	ND (11.8)			4/29/11
PDG-A	Grey Caulk	Expansion Joint	ND (0.91)			9/1/11
PDB -1	**Black Caulk**	**Expansion Joint**	**3.08**			4/29/11
PDB -8	Black Caulk	Expansion Joint	ND (1.48)			4/29/11
PDB -11	Black Caulk	Expansion Joint	ND (1.2)			4/29/11
PDB -14	**Black Caulk**	**Expansion Joint**	**7.42**			4/29/11
PDB -15	**Black Caulk**	**Expansion Joint**	**0.925**	**Excluded PCB Product**	**PCB Bulk Product Waste**	4/29/11
PDB-18	**Black Caulk**	**Expansion Joint (exact location unknown)**	**0.925 B**			4/29/11
PDB-A	**Black Caulk**	**Expansion Joint**	**27**			9/1/11
PDB-B	**Black Caulk**	**Expansion Joint**	**1.5**			9/1/11
PDB-C	Black Caulk	Expansion Joint	ND (0.90)			9/1/11
YEE-02	Concrete	Deck Near Guard House	ND (0.100)			12/5/08
PDC-A Adj	Concrete	Deck Adjacent to Gutter	ND (0.10)			9/9/11
PDC-A1 Adj	Concrete (Dup.)	Deck Adjacent to Gutter	ND (0.091)	**Demo Debris**	**Demo Debris**	9/9/11
PDC-B Adj	Concrete	Deck Adjacent to Gutter	ND (0.091)			9/9/11
PDC-C Adj	Concrete	Deck Adjacent to Gutter	ND (0.095)			9/9/11
Main Pool						
PSC -2	**Caulk**	**Pool Gutter Sill**	**16.8**			4/29/11
PSC -4	**Caulk**	**Pool Gutter Sill**	**27,100**	**PCB Bulk Product**	**PCB Bulk Product Waste**	4/29/11
PSC -5	**Caulk**	**Pool Gutter Sill**	**32,200**			4/29/11
PGW-A	Gutter Wipe	Pool Gutter Face	ND (0.20 µg/100 cm^2)	**Demo Debris**	**Demo Debris**	9/1/11
PGW-B	Gutter Wipe	Pool Gutter Face	ND (0.20 µg/100 cm^2)			9/1/11
YEE-03	**Caulk (Vertical)**	**Wall Joint**	**2,500**	**PCB Remediation Waste**	**PCB Bulk Product Waste**	12/5/08
PWC-A Adj S	Concrete	Wall Adjacent to Gutter 0-0.5" Below Surface	ND (0.095)			9/9/11
PWC-B Adj S	Concrete	Wall Adjacent to Gutter 0-0.5" Below Surface	ND (0.091)			9/9/11
PWC-C Adj S	Concrete	Wall Adjacent to Gutter 0-0.5" Below Surface	ND (0.091)		**Demo Debris - except for within 6-inches of sill caulk or vertical joint which is PCB Remediation Waste**	9/9/11
PWC-A Adj D	Concrete	Wall Adjacent to Gutter 1-1.5" Below Surface	ND (0.095)	**Demo Debris**		9/9/11
PWC-B Adj D	Concrete	Wall Adjacent to Gutter 1-1.5" Below Surface	ND (0.10)			9/9/11
PWC-C Adj D	Concrete	Wall Adjacent to Gutter 1-1.5" Below Surface	ND (0.091)			9/9/11
PWC-A 6"	Concrete	Wall 6" from Gutter	ND (0.095)			9/9/11
PWC-B 6"	Concrete	Wall 6" from Gutter	ND (0.095)			9/9/11
YEE-#1	Wall Wipe	Wall	ND (0.500 µg/100 cm^2)			6/1/09
YEE-#2	Wall Wipe	Wall	ND (0.500 µg/100 cm^2)	**Demo Debris**	**Demo Debris**	6/1/09
YEE-#3	Wall Wipe	Wall	ND (0.500 µg/100 cm^2)			6/1/09
PBS -1	**Caulk**	**Bottom Joint**	**1.37**			4/29/11
PBS -3	Caulk	Bottom Joint	ND (0.638)			4/29/11
PBS -6	Caulk	Bottom Joint	ND (0.279)			4/29/11
PBS -7	Caulk	Bottom Joint	ND (0.199)	**Excluded PCB Product**	**PCB Remediation Waste**	4/29/11
PBS-A	Caulk	Bottom Joint	ND (0.92)			9/1/11
PBS-A1	Caulk (Dup.)	Bottom Joint	ND (0.93)			9/1/11
PBS-C	Caulk	Bottom Joint (stairs)	ND (18)			9/1/11
PBS-D	Caulk	Bottom Joint (stairs)	**14**			9/1/11
PBC-A Adj S	Concrete	Bottom Concrete Adjacent to Joint 0-0.5" Below Surface	ND (0.087)			9/9/11
PBC-B Adj S	Concrete	Bottom Concrete Adjacent to Joint 0-0.5" Below Surface	ND (0.10)			9/9/11
PBC-C Adj S	Concrete	Bottom Concrete Adjacent to Joint 0-0.5" Below Surface (stairs)	ND (0.10)			9/9/11
PBC-D Adj S	Concrete	Bottom Concrete Adjacent to Joint 0-0.5" Below Surface (stairs)	ND (0.091)			9/9/11
PBC-A Adj D	Concrete	Bottom Concrete Adjacent to Joint 1-1.5" Below Surface	ND (0.10)			9/9/11
PBC-B Adj D	Concrete	Bottom Concrete Adjacent to Joint 1-1.5" Below Surface	ND (0.091)	**Demo Debris**	**Demo Debris**	9/9/11
PBC-C Adj D	Concrete	Bottom Concrete Adjacent to Joint 1-1.5" Below Surface (stairs)	ND (0.091)			9/9/11
PBC-D Adj D	Concrete	Bottom Concrete Adjacent to Joint 1-1.5" Below Surface (stairs)	ND (0.091)			9/9/11
PBC-A 12"	Concrete	Bottom Concrete 12" from Joint	ND (0.10)			9/9/11
PBC-B 12"	Concrete	Bottom Concrete 12" from Joint	ND (0.10)			9/9/11
PBC-C 12"	**Concrete**	**Bottom Concrete 12" from Joint (stairs)**	**0.52**			9/9/11
PBC-D 12"	Concrete	Bottom Concrete 12" from Joint (stairs)	ND (0.10)			9/9/11
YEE-04	Paint Chip (Blue/Green)	Paint Chip	ND (2.330)			12/5/08
PPC -1	**Paint Chip (Black)**	**Paint Chip (stairs)**	**0.0602**			4/29/11
PPC -3	**Paint Chip (Mix)**	**Paint Chip (stairs)**	**4.11**			4/29/11
PPC -4	**Paint Chip (Mix)**	**Paint Chip (stairs)**	**7.13**	**Excluded PCB Product**	**Excluded PCB Product**	4/29/11
PPC-A	Paint Chip (Blue)	Bottom Paint Chip	ND (0.10)			9/9/11
PPC-B	Paint Chip (Blue)	Bottom Paint Chip	ND (0.10)			9/9/11
PPC-C	Paint Chip (Blue)	Bottom Chip (stairs)	ND (0.10)			9/9/11
PPC-D	Paint Chip (Blue)	Bottom Chip (stairs)	ND (0.087)			9/9/11
Wading Pool						
KPC-A S	Concrete	0-0.5" Below Surface	ND (0.10)			9/9/11
KPC-B	Concrete	0-0.5" Below Surface	ND (0.10)	**Demo Debris**	**Demo Debris**	9/9/11
KPC-A D	**Concrete**	**1-1.5" Below Surface**	**0.25**			9/9/11
KPPC -1	**Paint Chip (Blue)**	**Paint Chip**	**5.1**			4/29/11
KPPC -2	**Paint Chip (White)**	**Paint Chip**	**5.1**	**Excluded PCB Product**	**Excluded PCB Product**	4/29/11
KPPC -3	**Paint Chip (Blue)**	**Paint Chip**	**1.84**			4/29/11
KPPC -4	**Paint Chip (White)**	**Paint Chip**	**1.84**			4/29/11

TABLE 2
PCBs in Building Materials Evaluation
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts

Sample ID	Material	Sample Location	PCB Concentration ppm unless noted	Material Type	Waste Management Determination	Sample Date
Guard House						
PCB -5	**Caulk**	**Bathroom Door Jamb**	**7.84**	**Excluded PCB Product**	**PCB Bulk Product Waste**	4/29/11
GHDI	**Caulk**	**Door Frame Interior Caulk**	**10**			9/1/11
GHDE	**Caulk**	**Door Frame Exterior Caulk**	**1.2**			9/1/11
PCB -7	**Caulk**	**Interior Building Foundation**	**151,000**	**PCB Bulk Product**	**PCB Bulk Product Waste**	4/29/11
GHI-A	**Caulk**	**Interior Building Foundation**	**180,000**			9/1/11
GHFI-C Adj	**Concrete**	**Interior Floor Adjacent to Wall**	**0.23**	**PCB Remediation Waste**	**PCB Remediation Waste to 1 ft**	9/9/11
GHFI-A 6"	**Concrete**	**Interior Floor 6" from Wall**	**1.5**			9/6/11
GHFI-B 6"	**Concrete**	**Interior Floor 6" from Wall**	**1.9**			9/6/11
GHWI-A Adj	**Concrete Wall Interior**	**Wall Adjacent to Floor Caulk**	**99**	**PCB Remediation Waste**	**PCB Bulk Product Waste - 1 full CMU Block from floor joint**	9/6/11
GHWI-A1 Adj	**Concrete Wall Interior (Dup.)**	**Wall Adjacent to Floor Caulk**	**48**			9/6/11
GHWI-B Adj	**Concrete Wall Interior**	**Wall Adjacent to Floor Caulk**	**740**			9/6/11
GHWI-C Adj	Concrete Wall Interior	Wall Adjacent to Floor Caulk	ND (0.095)			9/9/11
GHWI-A 1 Block	**Concrete Wall Interior**	**Wall 1 CMU Block from Floor Caulk**	**0.31**			9/6/11
GHWI-B 1 Block	**Concrete Wall Interior**	**Wall 1 CMU Block from Floor Caulk**	**0.96**			9/6/11
GHWI-C 1 Block	**Concrete Wall Interior**	**Wall 1 CMU Block from Floor Caulk**	**0.22**			9/9/11
GH -1	Caulk	Exterior Building Foundation	ND (65.2)	**PCB Bulk Product**	**PCB Bulk Product Waste**	4/29/11
GH -2	Caulk	Exterior Building Foundation	ND (5,350)			4/29/11
GHE-A	Caulk	Exterior Building Foundation	ND (190)			9/9/11
GHE-B	Caulk	Exterior Building Foundation	ND (190)			9/9/11
GHFE-A Adj	Concrete Floor	Exterior Concrete Deck Adjacent to Wall Caulk	ND (0.087)	**PCB Remediation Waste**	**PCB Remediation Waste to 1 ft**	9/9/11
GHFE-B Adj	Concrete Floor	Exterior Concrete Deck Adjacent to Wall Caulk	ND (0.087)			9/9/11
GHFE-C Adj	Concrete Floor	Exterior Concrete Deck Adjacent to Wall Caulk	ND (0.10)			9/9/11
GHFE-A 6"	Concrete Floor	Exterior Concrete Deck 6" from Wall Caulk	ND (0.10)			9/9/11
GHFE-B 6"	**Concrete Floor**	**Exterior Concrete Deck 6" from Wall Caulk**	**1.6**			9/9/11
GHFE-A 12"	Concrete Floor	Exterior Concrete Deck 12" from Wall Caulk	ND (0.10)			9/9/11
GHFE-B 12"	Concrete Floor	Exterior Concrete Deck 12" from Wall Caulk	ND (0.091)			9/9/11
GHFE-C 12"	Concrete Floor	Exterior Concrete Deck 12" from Wall Caulk	ND (0.10)			9/9/11
GHWE-A Adj	**Concrete**	**Exterior Wall Adjacent to Ground Caulk**	**0.27**	**Demo Debris**	**PCB Remediation Waste to 1 CMU Block Out**	9/6/11
GHWE-B Adj	**Concrete**	**Exterior Wall Adjacent to Ground Caulk**	**0.18**			9/6/11
GHWE-C 1 Block	**Concrete**	**Exterior Wall 1 Block from Ground Caulk**	**0.39**			9/9/11
PCB -9	**Caulk (Glazing)**	**First Aid Window**	**96.9**	**PCB Bulk Product**	**PCB Bulk Product Waste**	4/29/11
PCB -6	**Window Frame Caulk**	**First Aid Window**	**138,000**	**PCB Bulk Product**	**PCB Bulk Product Waste**	4/29/11
FWCI-A Adj	**Concrete Interior**	**First Aid Window Concrete Adjacent to Window Caulk(Vertical)**	**2.4**	**PCB Remediation Waste**	**PCB Bulk Product Waste 1 CMU block out from window**	9/6/11
FWCI-B Adj	**Concrete Interior**	**First Aid Window Concrete Adjacent to Window Caulk (Horizontal)**	**7,300**			9/6/11
FWCI-A 1 Block	**Concrete Interior**	**First Aid Window Concrete 1 Block from Window Caulk(Vertical)**	**0.20**			9/6/11
FWCI-B 1 Block	Concrete Interior	**First Aid Window Concrete 1 Block from Window Caulk (Horizontal)**	**0.37**			9/6/11
FWCE-A Adj	**Concrete Exterior**	**First Aid Window Concrete Adjacent to Window Caulk (Vertical)**	**7.2**	**PCB Remediation Waste**	**PCB Bulk Product Waste 1 CMU block out from window**	9/6/11
FWCE-B Adj	Concrete Exterior	First Aid Window Concrete Adjacent to Window Caulk (Horizontal)	ND (0.087)			9/6/11
FWCE-A 1 Block	Concrete Exterior	**First Aid Window Concrete 1 Block from Window Caulk (Vertical)**	**0.23**			9/6/11
FWCE-B 1 Block	Concrete Exterior	First Aid Window Concrete 1 Block from Window Caulk (Horizontal)	ND (0.095)			9/6/11
Bath House						
PCB -2	**Door Caulk**	**Bath House Heater Room Door Jamb**	**1.68**	**PCB Bulk Product**	**PCB Bulk Product Waste**	4/29/11
BHDI	**Interior Caulk**	**Bath House Door Frame Interior Caulk**	**1,800**			9/1/11
BHDE	**Exterior Caulk**	**Bath House Door Frame Exterior Caulk**	**4.8**			9/1/11
PCB -15	**Foundation Caulk**	**Bath House Interior Foundation**	**114,000**	**PCB Bulk Product**	**PCB Bulk Product Waste**	4/29/11
BHI-A	**Foundation Caulk**	**Bath House Interior Building Foundation**	**240,000**			9/9/11
BHI-B	**Foundation Caulk**	**Bath House Interior Building Foundation**	**160,000**			9/9/11
BHWI-A Adj	**Concrete Wall Interior**	**Bath House Wall Adjacent to Floor**	**530**	**PCB Remediation Waste**	**PCB Bulk Product Waste to 2 blocks from joint**	9/9/11
BHWI-B Adj	**Concrete Wall Interior**	**Bath House Wall Adjacent to Floor**	**99**			9/9/11
BHWI-A 1 Block	**Concrete Wall Interior**	**Bath House Wall 1 Block from Floor**	**1.5**			9/9/11
BHFI-A Adj	**Concrete Floor Interior**	**Bath House Interior Floor Adjacent to Wall**	**3,300**	**PCB Remediation Waste**	**PCB Bulk Product Waste to 18 inches from joint**	9/9/11
BHFI-B Adj	**Concrete Floor Interior**	**Bath House Interior Floor Adjacent to Wall**	**3.7**			9/9/11
BHFI-B1 Adj	**Concrete Floor Interior (Dup.)**	**Bath House Interior Floor Adjacent to Wall**	**440**			9/9/11
BHFI-A 6"	**Concrete Floor Interior**	**Bath House Interior Floor 6" from Wall**	**12**			9/9/11
BHFI-A 12"	**Concrete Floor Interior**	**Bath House Interior Floor 12" from Wall**	**2.3**			9/9/11
BHFI-B 12"	**Concrete Floor Interior**	**Bath House Interior Floor 12" from Wall**	**0.26**			9/9/11
Filter House						
PCB -12	**Caulk**	**Closet Window**	**79,600**	**PCB Bulk Product**	**PCB Bulk Product Waste**	4/29/11
FHWC-A Adj	**Concrete**	**Window Concrete Adjacent to Window (Vertical)**	**1**	**PCB Remediation Waste**	**PCB Remediation Waste 1 CMU block out from door frame**	9/6/11
FHWC-B Adj	**Concrete**	**Window Concrete Adjacent to Window (Horizontal)**	**1.8**			9/6/11
FHWC-A 1 Block	Concrete	Window Concrete 1 Block from Window (Vertical)	**0.39**			9/6/11
FHWC-B 1 Block	Concrete	Window Concrete 1 Block from Window (Horizontal)	ND (0.10)			9/6/11
FHCI Adj	**Concrete**	**Closet Interior Concrete Adjacent to Door Frame**	**6.9**	**PCB Remediation Waste**	**PCB Remediation Waste 1 CMU block out from door frame**	9/6/11
FHCI 1 Block	Concrete	Closet Interior Concrete 1 Block from Door Frame	ND (0.091)			9/6/11
FHCE Adj	**Concrete**	**Closet Exterior Concrete Adjacent to Door Frame**	**350**	**PCB Remediation Waste**	**PCB Bulk Product Waste 1 CMU block out from door frame**	9/6/11
FHCE 1 Block	Concrete	Closet Exterior Concrete 1 Block from Door Frame	ND (0.091)			9/6/11
FHSC-A	Concrete	Sump Wall Concrete	ND (0.10)	**Demo Debris**	**Demo Debris**	9/6/11
FHSC-B	**Concrete**	**Sump Wall Concrete**	**0.1**			9/6/11
PCB -14	**Paint Chip (Blue)**	**Sump Wall Paint Chip**	**5.4**	**Excluded PCB Product**	**Excluded PCB Product**	4/29/11
FHPC-A	**Paint Chip (Blue)**	**Sump Wall Paint Chip**	**6.3**			9/9/11
FHPC-B	**Paint Chip (Blue)**	**Sump Wall Paint Chip**	**15**			9/9/11

PCB Concentrations = milligrams per kilogram (mg/kg) (parts per million (ppm)), unless otherwise noted
Bold = PCBs detected
Yellow Highlight = Sealant PCB Concentration ≥ 50 ppm = PCB Bulk Product Waste
Green Highlighted = Masonry adjacent to PCB Bulk Product Sealant ≥ 1 ppm = PCB Remediation Waste
Orange Highlight Date = Data quality suspect
B = PCB detected at concentrtaion less than 5 times concentration present in associated method blank
ND = Not Detected above noted laboratory detection limit
Samples from 12/5/08 and 6/1/09 by Yee Consulting Group
Samples from 4/29/11 by Nobois Engineering Inc.
All other samples by ATC

Appendix A

Laboratory Analytical Reports

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

September 26, 2011

Michael Gitten
ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801

Project Location: Southbridge Pool
Client Job Number:
Project Number: 060.29841.0002
Laboratory Work Order Number: 11I0444

Enclosed are results of analyses for samples received by the laboratory on September 14, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Michael Gitten

REPORT DATE: 9/26/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 060.29841.0002

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11I0444

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

PROJECT LOCATION: Southbridge Pool

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
FWCI-A 1 Block	11I0444-01	Product/Solid		SW-846 8082A	

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: Southbridge Pool | Sample Description: | Work Order: 11I0444

Date Received: 9/14/2011

Field Sample #: FWCI-A 1 Block | Sampled: 9/6/2011 00:00

Sample ID: 11I0444-01

Sample Matrix: Product/Solid

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 8082A	9/22/11	9/23/11 15:56	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/22/11	9/23/11 15:56	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/22/11	9/23/11 15:56	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/22/11	9/23/11 15:56	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/22/11	9/23/11 15:56	JMB
Aroclor-1254 [2]	0.20	0.10	mg/Kg	1		SW-846 8082A	9/22/11	9/23/11 15:56	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/22/11	9/23/11 15:56	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/22/11	9/23/11 15:56	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/22/11	9/23/11 15:56	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	100	30-150		9/23/11 15:56
Decachlorobiphenyl [2]	91.4	30-150		9/23/11 15:56
Tetrachloro-m-xylene [1]	108	30-150		9/23/11 15:56
Tetrachloro-m-xylene [2]	94.2	30-150		9/23/11 15:56

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 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I0444-01 [FWCI-A 1 Block]	B037801	2.00	10.0	09/22/11

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 B037801 - SW-846 3540C										
Blank (B037801-BLK1)				Prepared: 09/22/11 Analyzed: 09/23/11						
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	*0.866*		mg/Kg	1.00		86.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.796*		mg/Kg	1.00		79.6	30-150			
Surrogate: Tetrachloro-m-xylene	*1.03*		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.921*		mg/Kg	1.00		92.1	30-150			
LCS (B037801-BS1)				Prepared: 09/22/11 Analyzed: 09/23/11						
Aroclor-1016	0.31	0.10	mg/Kg	0.250		123	40-140			
Aroclor-1016 [2C]	0.31	0.10	mg/Kg	0.250		123	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		109	40-140			
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		109	40-140			
Surrogate: Decachlorobiphenyl	*0.962*		mg/Kg	1.00		96.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.881*		mg/Kg	1.00		88.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.947*		mg/Kg	1.00		94.7	30-150			
LCS Dup (B037801-BSD1)				Prepared: 09/22/11 Analyzed: 09/23/11						
Aroclor-1016	0.31	0.10	mg/Kg	0.250		126	40-140	2.53	30	
Aroclor-1016 [2C]	0.30	0.10	mg/Kg	0.250		120	40-140	3.06	30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250		112	40-140	2.03	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140	2.06	30	
Surrogate: Decachlorobiphenyl	*0.974*		mg/Kg	1.00		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.892*		mg/Kg	1.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.07*		mg/Kg	1.00		107	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.938*		mg/Kg	1.00		93.8	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 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

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	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

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

11I 0444

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhlet Ext.)										
1																		# of Containers
None																		** Preservation
Other																		***Container Code
01	FWCI-A 1 Block	9/6/11	9/6/11		x	S	U	✓										

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: 9/14/11	
Received by: (signature)	Date/Time: 9/14/12	
Relinquished by: (signature)	Date/Time: 9/14 6pm	
Received by: (signature) 5.9c 1800	Date/Time: 9/14/11	

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP 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 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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist

CLIENT NAME: ATC ASSOC **RECEIVED BY:** CEC **DATE:** 9/14/11

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

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 5.9°C

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) 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	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	1
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

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 _____

Doc# 277
Rev. 1 May 2011

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

September 22, 2011

Michael Gitten
ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801

Project Location: Southbridge Pool
Client Job Number:
Project Number: 060.29841.0002
Laboratory Work Order Number: 11I0327

Enclosed are results of analyses for samples received by the laboratory on September 12, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Michael Gitten

REPORT DATE: 9/22/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 060.29841.0002

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11I0327

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

PROJECT LOCATION: Southbridge Pool

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PBC-A-ADJ S	11I0327-01	Product/Solid		SW-846 8082A	
PBC-A ADJ D	11I0327-02	Product/Solid		SW-846 8082A	
PBC-B ADJ S	11I0327-03	Product/Solid		SW-846 8082A	
PBC-B ADJ D	11I0327-04	Product/Solid		SW-846 8082A	
PBC-C ADJ S	11I0327-05	Product/Solid		SW-846 8082A	
PBC-C ADJ D	11I0327-06	Product/Solid		SW-846 8082A	
PBC-D ADJ S	11I0327-07	Product/Solid		SW-846 8082A	
PBC-D ADJ D	11I0327-08	Product/Solid		SW-846 8082A	
PDC-A ADJ	11I0327-09	Product/Solid		SW-846 8082A	
PDC-A1 ADJ	11I0327-10	Product/Solid		SW-846 8082A	
PDC-B ADJ	11I0327-11	Product/Solid		SW-846 8082A	
PDC-C ADJ	11I0327-12	Product/Solid		SW-846 8082A	
PWC-A ADJ S	11I0327-13	Product/Solid		SW-846 8082A	
PWC-A ADJ D	11I0327-14	Product/Solid		SW-846 8082A	
PWC-B ADJ S	11I0327-15	Product/Solid		SW-846 8082A	
PWC-B ADJ D	11I0327-16	Product/Solid		SW-846 8082A	
PWC-C ADJ S	11I0327-17	Product/Solid		SW-846 8082A	
PWC-C ADJ D	11I0327-18	Product/Solid		SW-846 8082A	
KPC-A S	11I0327-19	Product/Solid		SW-846 8082A	
KPC-A D	11I0327-20	Product/Solid		SW-846 8082A	
KPC-B	11I0327-21	Product/Solid		SW-846 8082A	
PPC-A	11I0327-22	Product/Solid		SW-846 8082A	
PPC-B	11I0327-23	Product/Solid		SW-846 8082A	
PPC-C	11I0327-24	Product/Solid		SW-846 8082A	
PPC-D	11I0327-25	Product/Solid		SW-846 8082A	
GHE-A	11I0327-26	Product/Solid		SW-846 8082A	
GHE-B	11I0327-27	Product/Solid		SW-846 8082A	
GHWI-C ADJ	11I0327-28	Product/Solid		SW-846 8082A	
GHFI-C ADJ	11I0327-29	Product/Solid		SW-846 8082A	
GHFE-A ADJ	11I0327-30	Product/Solid		SW-846 8082A	
GHFE-B ADJ	11I0327-31	Product/Solid		SW-846 8082A	
GHFE-C ADJ	11I0327-32	Product/Solid		SW-846 8082A	
BHWI-A ADJ	11I0327-33	Product/Solid		SW-846 8082A	
BHWI-B ADJ	11I0327-34	Product/Solid		SW-846 8082A	
BHFI-A ADJ	11I0327-35	Product/Solid		SW-846 8082A	
BHFI-B ADJ	11I0327-36	Product/Solid		SW-846 8082A	
BHFI-B1 ADJ	11I0327-37	Product/Solid		SW-846 8082A	
FHPC-A	11I0327-38	Product/Solid		SW-846 8082A	
FHPC-B	11I0327-39	Product/Solid		SW-846 8082A	
BHI-A	11I0327-40	Product/Solid		SW-846 8082A	
BHI-B	11I0327-41	Product/Solid		SW-846 8082A	

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

ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Michael Gitten

REPORT DATE: 9/22/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 060.29841.0002

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11I0327

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

PROJECT LOCATION: Southbridge Pool

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PBC-A 12	11I0327-42	Product/Solid		SW-846 8082A	
PBC-B 12	11I0327-43	Product/Solid		SW-846 8082A	
PBC-C 12	11I0327-44	Product/Solid		SW-846 8082A	
PBC-D 12	11I0327-45	Product/Solid		SW-846 8082A	
PWC-A 6	11I0327-46	Product/Solid		SW-846 8082A	
PWC-B 6	11I0327-47	Product/Solid		SW-846 8082A	
GHWI-C 1 BLOCK	11I0327-48	Product/Solid		SW-846 8082A	
GHWE-C 1 BLOCK	11I0327-49	Product/Solid		SW-846 8082A	
GHFE-A 6	11I0327-50	Product/Solid		SW-846 8082A	
GHFE-B 6	11I0327-51	Product/Solid		SW-846 8082A	
BHWI-A 1 BLOCK	11I0327-52	Product/Solid		SW-846 8082A	
BHFI-A 6	11I0327-53	Product/Solid		SW-846 8082A	

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 8082A

Qualifications:

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

Analyte & Samples(s) Qualified:

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

B037280-MS1, B037280-MSD1

Elevated reporting limit due to sample matrix interference. Requested detection limit not met.

Analyte & Samples(s) Qualified:

11I0327-26[GHE-A], 11I0327-27[GHE-B]

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

11I0327-26[GHE-A], 11I0327-27[GHE-B], 11I0327-33[BHWI-A ADJ], 11I0327-34[BHWI-B ADJ], 11I0327-35[BHFI-A ADJ], 11I0327-37[BHFI-B1 ADJ], 11I0327-40[BHI-A], 11I0327-41[BHI-B]

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: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PBC-A-ADJ S | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:26	PJG
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:26	PJG
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:26	PJG
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:26	PJG
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:26	PJG
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:26	PJG
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:26	PJG
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:26	PJG
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:26	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.3	30-150		9/15/11 21:26
Decachlorobiphenyl [2]	96.4	30-150		9/15/11 21:26
Tetrachloro-m-xylene [1]	84.1	30-150		9/15/11 21:26
Tetrachloro-m-xylene [2]	91.7	30-150		9/15/11 21:26

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PBC-A ADJ D
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-02

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/15/11 21:39	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:39	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:39	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:39	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:39	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:39	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:39	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:39	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:39	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	82.8	30-150		9/15/11 21:39
Decachlorobiphenyl [2]	88.5	30-150		9/15/11 21:39
Tetrachloro-m-xylene [1]	76.4	30-150		9/15/11 21:39
Tetrachloro-m-xylene [2]	83.4	30-150		9/15/11 21:39

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PBC-B ADJ S
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-03

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/15/11 21:52	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:52	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:52	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:52	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:52	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:52	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:52	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:52	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 21:52	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.3	30-150		9/15/11 21:52
Decachlorobiphenyl [2]	95.7	30-150		9/15/11 21:52
Tetrachloro-m-xylene [1]	81.2	30-150		9/15/11 21:52
Tetrachloro-m-xylene [2]	88.7	30-150		9/15/11 21:52

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PBC-B ADJ D | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-04

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/15/11 22:05	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:05	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:05	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:05	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:05	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:05	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:05	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:05	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:05	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.1	30-150		9/15/11 22:05
Decachlorobiphenyl [2]	96.8	30-150		9/15/11 22:05
Tetrachloro-m-xylene [1]	85.6	30-150		9/15/11 22:05
Tetrachloro-m-xylene [2]	93.2	30-150		9/15/11 22:05

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PBC-C ADJ S | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-05

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/15/11 22:17	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:17	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:17	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:17	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:17	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:17	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:17	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:17	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:17	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.2	30-150		9/15/11 22:17
Decachlorobiphenyl [2]	96.7	30-150		9/15/11 22:17
Tetrachloro-m-xylene [1]	81.1	30-150		9/15/11 22:17
Tetrachloro-m-xylene [2]	88.2	30-150		9/15/11 22:17

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PBC-C ADJ D
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-06

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/15/11 22:30	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:30	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:30	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:30	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:30	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:30	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:30	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:30	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:30	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.4	30-150		9/15/11 22:30
Decachlorobiphenyl [2]	96.4	30-150		9/15/11 22:30
Tetrachloro-m-xylene [1]	90.7	30-150		9/15/11 22:30
Tetrachloro-m-xylene [2]	98.2	30-150		9/15/11 22:30

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PBC-D ADJ S | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-07

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/15/11 22:43	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:43	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:43	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:43	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:43	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:43	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:43	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:43	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:43	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.2	30-150		9/15/11 22:43
Decachlorobiphenyl [2]	95.8	30-150		9/15/11 22:43
Tetrachloro-m-xylene [1]	82.9	30-150		9/15/11 22:43
Tetrachloro-m-xylene [2]	90.0	30-150		9/15/11 22:43

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PBC-D ADJ D
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-08

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/15/11 22:56	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:56	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:56	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:56	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:56	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:56	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:56	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:56	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 22:56	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.3	30-150		9/15/11 22:56
Decachlorobiphenyl [2]	108	30-150		9/15/11 22:56
Tetrachloro-m-xylene [1]	83.9	30-150		9/15/11 22:56
Tetrachloro-m-xylene [2]	90.8	30-150		9/15/11 22:56

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PDC-A ADJ | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-09

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/15/11 23:08	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:08	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:08	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:08	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:08	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:08	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:08	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:08	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:08	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	81.9	30-150		9/15/11 23:08
Decachlorobiphenyl [2]	87.5	30-150		9/15/11 23:08
Tetrachloro-m-xylene [1]	77.6	30-150		9/15/11 23:08
Tetrachloro-m-xylene [2]	85.0	30-150		9/15/11 23:08

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PDC-A1 ADJ
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-10

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/15/11 23:21	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:21	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:21	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:21	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:21	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:21	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:21	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:21	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:21	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.7	30-150		9/15/11 23:21
Decachlorobiphenyl [2]	93.9	30-150		9/15/11 23:21
Tetrachloro-m-xylene [1]	81.5	30-150		9/15/11 23:21
Tetrachloro-m-xylene [2]	89.2	30-150		9/15/11 23:21

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PDC-B ADJ
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-11

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/15/11 23:59	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:59	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:59	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:59	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:59	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:59	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:59	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:59	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/15/11 23:59	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.8	30-150		9/15/11 23:59
Decachlorobiphenyl [2]	96.3	30-150		9/15/11 23:59
Tetrachloro-m-xylene [1]	85.9	30-150		9/15/11 23:59
Tetrachloro-m-xylene [2]	93.6	30-150		9/15/11 23:59

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PDC-C ADJ | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-12

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 0:12	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:12	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:12	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:12	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:12	PJG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:12	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:12	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:12	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:12	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.0	30-150		9/16/11 0:12
Decachlorobiphenyl [2]	96.2	30-150		9/16/11 0:12
Tetrachloro-m-xylene [1]	86.9	30-150		9/16/11 0:12
Tetrachloro-m-xylene [2]	94.4	30-150		9/16/11 0:12

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PWC-A ADJ S | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-13

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 0:25	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:25	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:25	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:25	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:25	PJG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:25	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:25	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:25	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.6	30-150		9/16/11 0:25
Decachlorobiphenyl [2]	93.6	30-150		9/16/11 0:25
Tetrachloro-m-xylene [1]	84.8	30-150		9/16/11 0:25
Tetrachloro-m-xylene [2]	92.7	30-150		9/16/11 0:25

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PWC-A ADJ D | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-14

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 0:37	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:37	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:37	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:37	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:37	PJG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:37	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:37	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:37	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:37	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.4	30-150		9/16/11 0:37
Decachlorobiphenyl [2]	98.6	30-150		9/16/11 0:37
Tetrachloro-m-xylene [1]	90.9	30-150		9/16/11 0:37
Tetrachloro-m-xylene [2]	98.7	30-150		9/16/11 0:37

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PWC-B ADJ S | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-15

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 0:50	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:50	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:50	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:50	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:50	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:50	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:50	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:50	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 0:50	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.5	30-150		9/16/11 0:50
Decachlorobiphenyl [2]	97.0	30-150		9/16/11 0:50
Tetrachloro-m-xylene [1]	90.2	30-150		9/16/11 0:50
Tetrachloro-m-xylene [2]	97.1	30-150		9/16/11 0:50

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PWC-B ADJ D
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-16

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 1:03	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:03	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:03	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:03	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:03	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:03	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:03	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:03	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:03	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	93.5	30-150		9/16/11 1:03
Decachlorobiphenyl [2]	98.2	30-150		9/16/11 1:03
Tetrachloro-m-xylene [1]	92.3	30-150		9/16/11 1:03
Tetrachloro-m-xylene [2]	99.7	30-150		9/16/11 1:03

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PWC-C ADJ S
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-17

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 1:16	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:16	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:16	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:16	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:16	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:16	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:16	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:16	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:16	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.0	30-150		9/16/11 1:16
Decachlorobiphenyl [2]	95.7	30-150		9/16/11 1:16
Tetrachloro-m-xylene [1]	89.1	30-150		9/16/11 1:16
Tetrachloro-m-xylene [2]	96.9	30-150		9/16/11 1:16

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PWC-C ADJ D | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-18

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 1:28	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:28	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:28	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:28	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:28	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:28	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:28	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:28	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:28	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	94.1	30-150		9/16/11 1:28
Decachlorobiphenyl [2]	101	30-150		9/16/11 1:28
Tetrachloro-m-xylene [1]	75.8	30-150		9/16/11 1:28
Tetrachloro-m-xylene [2]	83.1	30-150		9/16/11 1:28

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: KPC-A S | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-19

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 1:41	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:41	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:41	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:41	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:41	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:41	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:41	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:41	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 1:41	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.8	30-150		9/16/11 1:41
Decachlorobiphenyl [2]	95.9	30-150		9/16/11 1:41
Tetrachloro-m-xylene [1]	72.5	30-150		9/16/11 1:41
Tetrachloro-m-xylene [2]	79.3	30-150		9/16/11 1:41

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: KPC-A D | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-20

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 15:52	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 15:52	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 15:52	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 15:52	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 15:52	PJG
Aroclor-1254 [1]	0.25	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 15:52	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 15:52	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 15:52	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 15:52	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	93.1	30-150		9/16/11 15:52
Decachlorobiphenyl [2]	88.8	30-150		9/16/11 15:52
Tetrachloro-m-xylene [1]	62.1	30-150		9/16/11 15:52
Tetrachloro-m-xylene [2]	72.3	30-150		9/16/11 15:52

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: KPC-B | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-21

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 16:05	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:05	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:05	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:05	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:05	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:05	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:05	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:05	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:05	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	121	30-150		9/16/11 16:05
Decachlorobiphenyl [2]	116	30-150		9/16/11 16:05
Tetrachloro-m-xylene [1]	42.0	30-150		9/16/11 16:05
Tetrachloro-m-xylene [2]	49.4	30-150		9/16/11 16:05

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PPC-A
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-22

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 16:18	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:18	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:18	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:18	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:18	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:18	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:18	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:18	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.5	30-150		9/16/11 16:18
Decachlorobiphenyl [2]	81.4	30-150		9/16/11 16:18
Tetrachloro-m-xylene [1]	65.8	30-150		9/16/11 16:18
Tetrachloro-m-xylene [2]	74.4	30-150		9/16/11 16:18

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PPC-B
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-23

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 16:31	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:31	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:31	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:31	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:31	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:31	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:31	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:31	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:31	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.9	30-150		9/16/11 16:31
Decachlorobiphenyl [2]	85.4	30-150		9/16/11 16:31
Tetrachloro-m-xylene [1]	81.1	30-150		9/16/11 16:31
Tetrachloro-m-xylene [2]	93.6	30-150		9/16/11 16:31

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PPC-C
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-24

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 16:44	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:44	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:44	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:44	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:44	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:44	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:44	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:44	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:44	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	112	30-150		9/16/11 16:44
Decachlorobiphenyl [2]	106	30-150		9/16/11 16:44
Tetrachloro-m-xylene [1]	92.9	30-150		9/16/11 16:44
Tetrachloro-m-xylene [2]	108	30-150		9/16/11 16:44

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PPC-D
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-25

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:57	PJG
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:57	PJG
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:57	PJG
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:57	PJG
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:57	PJG
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:57	PJG
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:57	PJG
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:57	PJG
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 16:57	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.0	30-150		9/16/11 16:57
Decachlorobiphenyl [2]	91.4	30-150		9/16/11 16:57
Tetrachloro-m-xylene [1]	81.8	30-150		9/16/11 16:57
Tetrachloro-m-xylene [2]	94.9	30-150		9/16/11 16:57

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: GHE-A | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-26

Sample Matrix: Product/Solid

Sample Flags: RL-04

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:39	PJG
Aroclor-1221 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:39	PJG
Aroclor-1232 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:39	PJG
Aroclor-1242 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:39	PJG
Aroclor-1248 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:39	PJG
Aroclor-1254 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:39	PJG
Aroclor-1260 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:39	PJG
Aroclor-1262 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:39	PJG
Aroclor-1268 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:39	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/17/11 23:39
Decachlorobiphenyl [2]	*	30-150	S-01	9/17/11 23:39
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/17/11 23:39
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/17/11 23:39

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: GHE-B | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-27

Sample Matrix: Product/Solid

Sample Flags: RL-04

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:52	PJG
Aroclor-1221 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:52	PJG
Aroclor-1232 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:52	PJG
Aroclor-1242 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:52	PJG
Aroclor-1248 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:52	PJG
Aroclor-1254 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:52	PJG
Aroclor-1260 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:52	PJG
Aroclor-1262 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:52	PJG
Aroclor-1268 [1]	ND	190	mg/Kg	1000		SW-846 8082A	9/14/11	9/17/11 23:52	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/17/11 23:52
Decachlorobiphenyl [2]	*	30-150	S-01	9/17/11 23:52
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/17/11 23:52
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/17/11 23:52

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: GHWI-C ADJ
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-28

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 17:10	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:10	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:10	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:10	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:10	PJG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:10	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:10	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:10	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:10	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.6	30-150		9/16/11 17:10
Decachlorobiphenyl [2]	128	30-150		9/16/11 17:10
Tetrachloro-m-xylene [1]	81.6	30-150		9/16/11 17:10
Tetrachloro-m-xylene [2]	101	30-150		9/16/11 17:10

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: GHFI-C ADJ
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-29

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 17:23	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:23	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:23	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:23	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:23	PJG
Aroclor-1254 [2]	0.23	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:23	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:23	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:23	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:23	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	85.1	30-150		9/16/11 17:23
Decachlorobiphenyl [2]	142	30-150		9/16/11 17:23
Tetrachloro-m-xylene [1]	78.9	30-150		9/16/11 17:23
Tetrachloro-m-xylene [2]	95.2	30-150		9/16/11 17:23

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: GHFE-A ADJ | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-30

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:36	PJG
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:36	PJG
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:36	PJG
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:36	PJG
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:36	PJG
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:36	PJG
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:36	PJG
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:36	PJG
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:36	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	99.0	30-150		9/16/11 17:36
Decachlorobiphenyl [2]	88.3	30-150		9/16/11 17:36
Tetrachloro-m-xylene [1]	91.2	30-150		9/16/11 17:36
Tetrachloro-m-xylene [2]	107	30-150		9/16/11 17:36

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: GHFE-B ADJ
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-31

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:49	PJG
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:49	PJG
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:49	PJG
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:49	PJG
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:49	PJG
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:49	PJG
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:49	PJG
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:49	PJG
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 17:49	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.7	30-150		9/16/11 17:49
Decachlorobiphenyl [2]	88.5	30-150		9/16/11 17:49
Tetrachloro-m-xylene [1]	79.1	30-150		9/16/11 17:49
Tetrachloro-m-xylene [2]	94.1	30-150		9/16/11 17:49

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: GHFE-C ADJ
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-32

Sample Matrix: Product/Solid

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 8082A	9/13/11	9/16/11 18:02	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 18:02	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 18:02	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 18:02	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 18:02	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 18:02	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 18:02	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 18:02	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/13/11	9/16/11 18:02	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	76.1	30-150		9/16/11 18:02
Decachlorobiphenyl [2]	73.4	30-150		9/16/11 18:02
Tetrachloro-m-xylene [1]	65.4	30-150		9/16/11 18:02
Tetrachloro-m-xylene [2]	78.0	30-150		9/16/11 18:02

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: BHWI-A ADJ | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-33

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	45	mg/Kg	500		SW-846 8082A	9/13/11	9/17/11 20:11	PJG
Aroclor-1221 [1]	ND	45	mg/Kg	500		SW-846 8082A	9/13/11	9/17/11 20:11	PJG
Aroclor-1232 [1]	ND	45	mg/Kg	500		SW-846 8082A	9/13/11	9/17/11 20:11	PJG
Aroclor-1242 [1]	ND	45	mg/Kg	500		SW-846 8082A	9/13/11	9/17/11 20:11	PJG
Aroclor-1248 [1]	ND	45	mg/Kg	500		SW-846 8082A	9/13/11	9/17/11 20:11	PJG
Aroclor-1254 [1]	530	45	mg/Kg	500		SW-846 8082A	9/13/11	9/17/11 20:11	PJG
Aroclor-1260 [1]	ND	45	mg/Kg	500		SW-846 8082A	9/13/11	9/17/11 20:11	PJG
Aroclor-1262 [1]	ND	45	mg/Kg	500		SW-846 8082A	9/13/11	9/17/11 20:11	PJG
Aroclor-1268 [1]	ND	45	mg/Kg	500		SW-846 8082A	9/13/11	9/17/11 20:11	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/17/11 20:11
Decachlorobiphenyl [2]	*	30-150	S-01	9/17/11 20:11
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/17/11 20:11
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/17/11 20:11

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: BHWI-B ADJ
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-34

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/14/11	9/16/11 14:14	PJG
Aroclor-1221 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/14/11	9/16/11 14:14	PJG
Aroclor-1232 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/14/11	9/16/11 14:14	PJG
Aroclor-1242 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/14/11	9/16/11 14:14	PJG
Aroclor-1248 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/14/11	9/16/11 14:14	PJG
Aroclor-1254 [1]	99	19	mg/Kg	200		SW-846 8082A	9/14/11	9/16/11 14:14	PJG
Aroclor-1260 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/14/11	9/16/11 14:14	PJG
Aroclor-1262 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/14/11	9/16/11 14:14	PJG
Aroclor-1268 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/14/11	9/16/11 14:14	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/16/11 14:14
Decachlorobiphenyl [2]	*	30-150	S-01	9/16/11 14:14
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/16/11 14:14
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/16/11 14:14

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: BHFI-A ADJ | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-35

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	870	mg/Kg	10000		SW-846 8082A	9/14/11	9/16/11 17:02	PJG
Aroclor-1221 [1]	ND	870	mg/Kg	10000		SW-846 8082A	9/14/11	9/16/11 17:02	PJG
Aroclor-1232 [1]	ND	870	mg/Kg	10000		SW-846 8082A	9/14/11	9/16/11 17:02	PJG
Aroclor-1242 [1]	ND	870	mg/Kg	10000		SW-846 8082A	9/14/11	9/16/11 17:02	PJG
Aroclor-1248 [1]	ND	870	mg/Kg	10000		SW-846 8082A	9/14/11	9/16/11 17:02	PJG
Aroclor-1254 [1]	3300	870	mg/Kg	10000		SW-846 8082A	9/14/11	9/16/11 17:02	PJG
Aroclor-1260 [1]	ND	870	mg/Kg	10000		SW-846 8082A	9/14/11	9/16/11 17:02	PJG
Aroclor-1262 [1]	ND	870	mg/Kg	10000		SW-846 8082A	9/14/11	9/16/11 17:02	PJG
Aroclor-1268 [1]	ND	870	mg/Kg	10000		SW-846 8082A	9/14/11	9/16/11 17:02	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/16/11 17:02
Decachlorobiphenyl [2]	*	30-150	S-01	9/16/11 17:02
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/16/11 17:02
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/16/11 17:02

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: BHFI-B ADJ
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-36

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/14/11	9/16/11 14:42	PJG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/14/11	9/16/11 14:42	PJG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/14/11	9/16/11 14:42	PJG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/14/11	9/16/11 14:42	PJG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/14/11	9/16/11 14:42	PJG
Aroclor-1254 [1]	3.7	0.50	mg/Kg	5		SW-846 8082A	9/14/11	9/16/11 14:42	PJG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/14/11	9/16/11 14:42	PJG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/14/11	9/16/11 14:42	PJG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/14/11	9/16/11 14:42	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	139	30-150		9/16/11 14:42
Decachlorobiphenyl [2]	126	30-150		9/16/11 14:42
Tetrachloro-m-xylene [1]	124	30-150		9/16/11 14:42
Tetrachloro-m-xylene [2]	128	30-150		9/16/11 14:42

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: BHFI-B1 ADJ
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-37

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	43	mg/Kg	500		SW-846 8082A	9/14/11	9/16/11 14:56	PJG
Aroclor-1221 [1]	ND	43	mg/Kg	500		SW-846 8082A	9/14/11	9/16/11 14:56	PJG
Aroclor-1232 [1]	ND	43	mg/Kg	500		SW-846 8082A	9/14/11	9/16/11 14:56	PJG
Aroclor-1242 [1]	ND	43	mg/Kg	500		SW-846 8082A	9/14/11	9/16/11 14:56	PJG
Aroclor-1248 [1]	ND	43	mg/Kg	500		SW-846 8082A	9/14/11	9/16/11 14:56	PJG
Aroclor-1254 [1]	440	43	mg/Kg	500		SW-846 8082A	9/14/11	9/16/11 14:56	PJG
Aroclor-1260 [1]	ND	43	mg/Kg	500		SW-846 8082A	9/14/11	9/16/11 14:56	PJG
Aroclor-1262 [1]	ND	43	mg/Kg	500		SW-846 8082A	9/14/11	9/16/11 14:56	PJG
Aroclor-1268 [1]	ND	43	mg/Kg	500		SW-846 8082A	9/14/11	9/16/11 14:56	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/16/11 14:56
Decachlorobiphenyl [2]	*	30-150	S-01	9/16/11 14:56
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/16/11 14:56
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/16/11 14:56

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: FHPC-A
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-38

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	9/14/11	9/17/11 19:32	PJG
Aroclor-1221 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	9/14/11	9/17/11 19:32	PJG
Aroclor-1232 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	9/14/11	9/17/11 19:32	PJG
Aroclor-1242 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	9/14/11	9/17/11 19:32	PJG
Aroclor-1248 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	9/14/11	9/17/11 19:32	PJG
Aroclor-1254 [1]	6.3	0.37	mg/Kg	1		SW-846 8082A	9/14/11	9/17/11 19:32	PJG
Aroclor-1260 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	9/14/11	9/17/11 19:32	PJG
Aroclor-1262 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	9/14/11	9/17/11 19:32	PJG
Aroclor-1268 [1]	ND	0.37	mg/Kg	1		SW-846 8082A	9/14/11	9/17/11 19:32	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	137	30-150		9/17/11 19:32
Decachlorobiphenyl [2]	128	30-150		9/17/11 19:32
Tetrachloro-m-xylene [1]	117	30-150		9/17/11 19:32
Tetrachloro-m-xylene [2]	135	30-150		9/17/11 19:32

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: FHPC-B
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-39

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.4	mg/Kg	4		SW-846 8082A	9/14/11	9/20/11 20:34	JMB
Aroclor-1221 [1]	ND	1.4	mg/Kg	4		SW-846 8082A	9/14/11	9/20/11 20:34	JMB
Aroclor-1232 [1]	ND	1.4	mg/Kg	4		SW-846 8082A	9/14/11	9/20/11 20:34	JMB
Aroclor-1242 [1]	ND	1.4	mg/Kg	4		SW-846 8082A	9/14/11	9/20/11 20:34	JMB
Aroclor-1248 [1]	ND	1.4	mg/Kg	4		SW-846 8082A	9/14/11	9/20/11 20:34	JMB
Aroclor-1254 [1]	15	1.4	mg/Kg	4		SW-846 8082A	9/14/11	9/20/11 20:34	JMB
Aroclor-1260 [1]	ND	1.4	mg/Kg	4		SW-846 8082A	9/14/11	9/20/11 20:34	JMB
Aroclor-1262 [1]	ND	1.4	mg/Kg	4		SW-846 8082A	9/14/11	9/20/11 20:34	JMB
Aroclor-1268 [1]	ND	1.4	mg/Kg	4		SW-846 8082A	9/14/11	9/20/11 20:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	133	30-150		9/20/11 20:34
Decachlorobiphenyl [2]	113	30-150		9/20/11 20:34
Tetrachloro-m-xylene [1]	147	30-150		9/20/11 20:34
Tetrachloro-m-xylene [2]	144	30-150		9/20/11 20:34

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: BHI-A | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-40

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	38000	mg/Kg	200000		SW-846 8082A	9/14/11	9/20/11 20:47	JMB
Aroclor-1221 [1]	ND	38000	mg/Kg	200000		SW-846 8082A	9/14/11	9/20/11 20:47	JMB
Aroclor-1232 [1]	ND	38000	mg/Kg	200000		SW-846 8082A	9/14/11	9/20/11 20:47	JMB
Aroclor-1242 [1]	ND	38000	mg/Kg	200000		SW-846 8082A	9/14/11	9/20/11 20:47	JMB
Aroclor-1248 [1]	ND	38000	mg/Kg	200000		SW-846 8082A	9/14/11	9/20/11 20:47	JMB
Aroclor-1254 [1]	240000	38000	mg/Kg	200000		SW-846 8082A	9/14/11	9/20/11 20:47	JMB
Aroclor-1260 [1]	ND	38000	mg/Kg	200000		SW-846 8082A	9/14/11	9/20/11 20:47	JMB
Aroclor-1262 [1]	ND	38000	mg/Kg	200000		SW-846 8082A	9/14/11	9/20/11 20:47	JMB
Aroclor-1268 [1]	ND	38000	mg/Kg	200000		SW-846 8082A	9/14/11	9/20/11 20:47	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/20/11 20:47
Decachlorobiphenyl [2]	*	30-150	S-01	9/20/11 20:47
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/20/11 20:47
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/20/11 20:47

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: BHI-B | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-41

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	20000	mg/Kg	100000		SW-846 8082A	9/14/11	9/20/11 21:00	JMB
Aroclor-1221 [1]	ND	20000	mg/Kg	100000		SW-846 8082A	9/14/11	9/20/11 21:00	JMB
Aroclor-1232 [1]	ND	20000	mg/Kg	100000		SW-846 8082A	9/14/11	9/20/11 21:00	JMB
Aroclor-1242 [1]	ND	20000	mg/Kg	100000		SW-846 8082A	9/14/11	9/20/11 21:00	JMB
Aroclor-1248 [1]	ND	20000	mg/Kg	100000		SW-846 8082A	9/14/11	9/20/11 21:00	JMB
Aroclor-1254 [1]	160000	20000	mg/Kg	100000		SW-846 8082A	9/14/11	9/20/11 21:00	JMB
Aroclor-1260 [1]	ND	20000	mg/Kg	100000		SW-846 8082A	9/14/11	9/20/11 21:00	JMB
Aroclor-1262 [1]	ND	20000	mg/Kg	100000		SW-846 8082A	9/14/11	9/20/11 21:00	JMB
Aroclor-1268 [1]	ND	20000	mg/Kg	100000		SW-846 8082A	9/14/11	9/20/11 21:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/20/11 21:00
Decachlorobiphenyl [2]	*	30-150	S-01	9/20/11 21:00
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/20/11 21:00
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/20/11 21:00

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PBC-A 12
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-42

Sample Matrix: Product/Solid

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 8082A	9/14/11	9/16/11 15:10	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:10	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:10	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:10	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:10	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:10	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:10	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:10	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:10	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	124	30-150		9/16/11 15:10
Decachlorobiphenyl [2]	119	30-150		9/16/11 15:10
Tetrachloro-m-xylene [1]	132	30-150		9/16/11 15:10
Tetrachloro-m-xylene [2]	123	30-150		9/16/11 15:10

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PBC-B 12
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-43

Sample Matrix: Product/Solid

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 8082A	9/14/11	9/16/11 15:24	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:24	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:24	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:24	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:24	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:24	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:24	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:24	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 15:24	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	117	30-150		9/16/11 15:24
Decachlorobiphenyl [2]	110	30-150		9/16/11 15:24
Tetrachloro-m-xylene [1]	124	30-150		9/16/11 15:24
Tetrachloro-m-xylene [2]	115	30-150		9/16/11 15:24

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PBC-C 12 | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-44

Sample Matrix: Product/Solid

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 8082A	9/14/11	9/16/11 2:28	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 2:28	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 2:28	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 2:28	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 2:28	PJG
Aroclor-1254 [1]	0.52	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 2:28	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 2:28	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 2:28	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 2:28	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	136	30-150		9/16/11 2:28
Decachlorobiphenyl [2]	129	30-150		9/16/11 2:28
Tetrachloro-m-xylene [1]	138	30-150		9/16/11 2:28
Tetrachloro-m-xylene [2]	125	30-150		9/16/11 2:28

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PBC-D 12
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-45

Sample Matrix: Product/Solid

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 8082A	9/14/11	9/16/11 3:10	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:10	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:10	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:10	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:10	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:10	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:10	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:10	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:10	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	120	30-150		9/16/11 3:10
Decachlorobiphenyl [2]	114	30-150		9/16/11 3:10
Tetrachloro-m-xylene [1]	123	30-150		9/16/11 3:10
Tetrachloro-m-xylene [2]	114	30-150		9/16/11 3:10

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PWC-A 6 | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-46

Sample Matrix: Product/Solid

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 8082A	9/14/11	9/16/11 3:24	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:24	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:24	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:24	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:24	PJG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:24	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:24	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:24	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:24	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	134	30-150		9/16/11 3:24
Decachlorobiphenyl [2]	124	30-150		9/16/11 3:24
Tetrachloro-m-xylene [1]	136	30-150		9/16/11 3:24
Tetrachloro-m-xylene [2]	126	30-150		9/16/11 3:24

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: PWC-B 6 | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-47

Sample Matrix: Product/Solid

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 8082A	9/14/11	9/16/11 3:38	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:38	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:38	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:38	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:38	PJG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:38	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:38	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:38	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:38	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	114	30-150		9/16/11 3:38
Decachlorobiphenyl [2]	108	30-150		9/16/11 3:38
Tetrachloro-m-xylene [1]	131	30-150		9/16/11 3:38
Tetrachloro-m-xylene [2]	123	30-150		9/16/11 3:38

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: GHWI-C 1 BLOCK
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-48

Sample Matrix: Product/Solid

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 8082A	9/14/11	9/16/11 3:52	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:52	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:52	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:52	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:52	PJG
Aroclor-1254 [2]	0.22	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:52	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:52	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:52	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 3:52	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	123	30-150		9/16/11 3:52
Decachlorobiphenyl [2]	117	30-150		9/16/11 3:52
Tetrachloro-m-xylene [1]	131	30-150		9/16/11 3:52
Tetrachloro-m-xylene [2]	123	30-150		9/16/11 3:52

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: GHWE-C 1 BLOCK
Sampled: 9/9/2011 00:00

Sample ID: 11I0327-49

Sample Matrix: Product/Solid

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 8082A	9/14/11	9/16/11 4:06	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:06	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:06	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:06	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:06	PJG
Aroclor-1254 [2]	0.39	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:06	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:06	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:06	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:06	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	129	30-150		9/16/11 4:06
Decachlorobiphenyl [2]	123	30-150		9/16/11 4:06
Tetrachloro-m-xylene [1]	137	30-150		9/16/11 4:06
Tetrachloro-m-xylene [2]	127	30-150		9/16/11 4:06

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: GHFE-A 6 | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-50

Sample Matrix: Product/Solid

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 8082A	9/14/11	9/16/11 4:20	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:20	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:20	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:20	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:20	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:20	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:20	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:20	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/14/11	9/16/11 4:20	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	125	30-150		9/16/11 4:20
Decachlorobiphenyl [2]	119	30-150		9/16/11 4:20
Tetrachloro-m-xylene [1]	130	30-150		9/16/11 4:20
Tetrachloro-m-xylene [2]	120	30-150		9/16/11 4:20

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: GHFE-B 6 | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-51

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:38	PJG
Aroclor-1221 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:38	PJG
Aroclor-1232 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:38	PJG
Aroclor-1242 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:38	PJG
Aroclor-1248 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:38	PJG
Aroclor-1254 [1]	1.6	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:38	PJG
Aroclor-1260 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:38	PJG
Aroclor-1262 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:38	PJG
Aroclor-1268 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:38	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	130	30-150		9/16/11 15:38
Decachlorobiphenyl [2]	131	30-150		9/16/11 15:38
Tetrachloro-m-xylene [1]	137	30-150		9/16/11 15:38
Tetrachloro-m-xylene [2]	134	30-150		9/16/11 15:38

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: BHWI-A 1 BLOCK | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-52

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:52	PJG
Aroclor-1221 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:52	PJG
Aroclor-1232 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:52	PJG
Aroclor-1242 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:52	PJG
Aroclor-1248 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:52	PJG
Aroclor-1254 [1]	1.5	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:52	PJG
Aroclor-1260 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:52	PJG
Aroclor-1262 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:52	PJG
Aroclor-1268 [1]	ND	0.35	mg/Kg	4		SW-846 8082A	9/14/11	9/16/11 15:52	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	124	30-150		9/16/11 15:52
Decachlorobiphenyl [2]	125	30-150		9/16/11 15:52
Tetrachloro-m-xylene [1]	132	30-150		9/16/11 15:52
Tetrachloro-m-xylene [2]	132	30-150		9/16/11 15:52

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0327

Date Received: 9/12/2011

Field Sample #: BHFI-A 6 | Sampled: 9/9/2011 00:00

Sample ID: 11I0327-53

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/14/11	9/16/11 16:06	PJG
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/14/11	9/16/11 16:06	PJG
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/14/11	9/16/11 16:06	PJG
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/14/11	9/16/11 16:06	PJG
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/14/11	9/16/11 16:06	PJG
Aroclor-1254 [1]	12	2.0	mg/Kg	20		SW-846 8082A	9/14/11	9/16/11 16:06	PJG
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/14/11	9/16/11 16:06	PJG
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/14/11	9/16/11 16:06	PJG
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/14/11	9/16/11 16:06	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	135	30-150		9/16/11 16:06
Decachlorobiphenyl [2]	139	30-150		9/16/11 16:06
Tetrachloro-m-xylene [1]	135	30-150		9/16/11 16:06
Tetrachloro-m-xylene [2]	140	30-150		9/16/11 16:06

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 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I0327-26 [GHE-A]	B037282	0.539	10.0	09/14/11
11I0327-27 [GHE-B]	B037282	0.517	10.0	09/14/11
11I0327-40 [BHI-A]	B037282	0.533	10.0	09/14/11
11I0327-41 [BHI-B]	B037282	0.500	10.0	09/14/11

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I0327-38 [FHPC-A]	B037283	0.272	10.0	09/14/11
11I0327-39 [FHPC-B]	B037283	0.277	10.0	09/14/11

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I0327-01 [PBC-A-ADJ S]	B037209	2.30	10.0	09/13/11
11I0327-02 [PBC-A ADJ D]	B037209	2.00	10.0	09/13/11
11I0327-03 [PBC-B ADJ S]	B037209	2.00	10.0	09/13/11
11I0327-04 [PBC-B ADJ D]	B037209	2.20	10.0	09/13/11
11I0327-05 [PBC-C ADJ S]	B037209	2.00	10.0	09/13/11
11I0327-06 [PBC-C ADJ D]	B037209	2.20	10.0	09/13/11
11I0327-07 [PBC-D ADJ S]	B037209	2.20	10.0	09/13/11
11I0327-08 [PBC-D ADJ D]	B037209	2.20	10.0	09/13/11
11I0327-09 [PDC-A ADJ]	B037209	2.00	10.0	09/13/11
11I0327-10 [PDC-A1 ADJ]	B037209	2.20	10.0	09/13/11
11I0327-11 [PDC-B ADJ]	B037209	2.20	10.0	09/13/11
11I0327-12 [PDC-C ADJ]	B037209	2.10	10.0	09/13/11
11I0327-13 [PWC-A ADJ S]	B037209	2.10	10.0	09/13/11
11I0327-14 [PWC-A ADJ D]	B037209	2.10	10.0	09/13/11
11I0327-15 [PWC-B ADJ S]	B037209	2.20	10.0	09/13/11
11I0327-16 [PWC-B ADJ D]	B037209	2.00	10.0	09/13/11
11I0327-17 [PWC-C ADJ S]	B037209	2.20	10.0	09/13/11
11I0327-18 [PWC-C ADJ D]	B037209	2.20	10.0	09/13/11
11I0327-19 [KPC-A S]	B037209	2.00	10.0	09/13/11

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I0327-20 [KPC-A D]	B037210	2.00	10.0	09/13/11
11I0327-21 [KPC-B]	B037210	2.00	10.0	09/13/11
11I0327-22 [PPC-A]	B037210	2.00	10.0	09/13/11
11I0327-23 [PPC-B]	B037210	2.00	10.0	09/13/11
11I0327-24 [PPC-C]	B037210	2.00	10.0	09/13/11
11I0327-25 [PPC-D]	B037210	2.30	10.0	09/13/11
11I0327-28 [GHWI-C ADJ]	B037210	2.10	10.0	09/13/11
11I0327-29 [GHFI-C ADJ]	B037210	2.20	10.0	09/13/11
11I0327-30 [GHFE-A ADJ]	B037210	2.30	10.0	09/13/11
11I0327-31 [GHFE-B ADJ]	B037210	2.30	10.0	09/13/11
11I0327-32 [GHFE-C ADJ]	B037210	2.00	10.0	09/13/11
11I0327-33 [BHWI-A ADJ]	B037210	2.20	10.0	09/13/11

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 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I0327-34 [BHWI-B ADJ]	B037280	2.10	10.0	09/14/11
11I0327-35 [BHFI-A ADJ]	B037280	2.30	10.0	09/14/11
11I0327-36 [BHFI-B ADJ]	B037280	2.00	10.0	09/14/11
11I0327-37 [BHFI-B1 ADJ]	B037280	2.30	10.0	09/14/11
11I0327-42 [PBC-A 12]	B037280	2.00	10.0	09/14/11
11I0327-43 [PBC-B 12]	B037280	2.00	10.0	09/14/11
11I0327-44 [PBC-C 12]	B037280	2.00	10.0	09/14/11
11I0327-45 [PBC-D 12]	B037280	2.00	10.0	09/14/11
11I0327-46 [PWC-A 6]	B037280	2.10	10.0	09/14/11
11I0327-47 [PWC-B 6]	B037280	2.10	10.0	09/14/11
11I0327-48 [GHWI-C 1 BLOCK]	B037280	2.10	10.0	09/14/11
11I0327-49 [GHWE-C 1 BLOCK]	B037280	2.10	10.0	09/14/11
11I0327-50 [GHFE-A 6]	B037280	2.00	10.0	09/14/11
11I0327-51 [GHFE-B 6]	B037280	2.30	10.0	09/14/11
11I0327-52 [BHWI-A 1 BLOCK]	B037280	2.30	10.0	09/14/11
11I0327-53 [BHFI-A 6]	B037280	2.00	10.0	09/14/11

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 B037209 - SW-846 3540C										
Blank (B037209-BLK1)				Prepared: 09/13/11 Analyzed: 09/15/11						
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	*0.911*		mg/Kg	1.00		91.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.956*		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.926*		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.999*		mg/Kg	1.00		99.9	30-150			
LCS (B037209-BS1)				Prepared: 09/13/11 Analyzed: 09/15/11						
Aroclor-1016	0.24	0.10	mg/Kg	0.250		96.1	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1260	0.25	0.10	mg/Kg	0.250		98.2	40-140			
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140			
Surrogate: Decachlorobiphenyl	*0.922*		mg/Kg	1.00		92.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.970*		mg/Kg	1.00		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.935*		mg/Kg	1.00		93.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.01*		mg/Kg	1.00		101	30-150			
LCS Dup (B037209-BSD1)				Prepared: 09/13/11 Analyzed: 09/15/11						
Aroclor-1016	0.23	0.10	mg/Kg	0.250		93.1	40-140	3.18	30	
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		109	40-140	0.633	30	
Aroclor-1260	0.25	0.10	mg/Kg	0.250		98.4	40-140	0.175	30	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140	0.151	30	
Surrogate: Decachlorobiphenyl	*0.887*		mg/Kg	1.00		88.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.933*		mg/Kg	1.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.899*		mg/Kg	1.00		89.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.973*		mg/Kg	1.00		97.3	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 B037209 - SW-846 3540C										
Matrix Spike (B037209-MS1)		**Source: 11I0327-07**		Prepared: 09/13/11 Analyzed: 09/16/11						
Aroclor-1016	0.21	0.091	mg/Kg	0.227	0.0	93.0	40-140			
Aroclor-1016 [2C]	0.24	0.091	mg/Kg	0.227	0.0	105	40-140			
Aroclor-1260	0.21	0.091	mg/Kg	0.227	0.0	92.6	40-140			
Aroclor-1260 [2C]	0.24	0.091	mg/Kg	0.227	0.0	104	40-140			
Surrogate: Decachlorobiphenyl	*0.824*		mg/Kg	0.909		90.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.881*		mg/Kg	0.909		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.760*		mg/Kg	0.909		83.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.834*		mg/Kg	0.909		91.8	30-150			
Matrix Spike Dup (B037209-MSD1)		**Source: 11I0327-07**		Prepared: 09/13/11 Analyzed: 09/16/11						
Aroclor-1016	0.24	0.095	mg/Kg	0.238	0.0	99.4	40-140	11.3	50	
Aroclor-1016 [2C]	0.26	0.095	mg/Kg	0.238	0.0	108	40-140	8.09	50	
Aroclor-1260	0.22	0.095	mg/Kg	0.238	0.0	92.9	40-140	4.93	50	
Aroclor-1260 [2C]	0.24	0.095	mg/Kg	0.238	0.0	100	40-140	1.36	50	
Surrogate: Decachlorobiphenyl	*0.928*		mg/Kg	0.952		97.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.982*		mg/Kg	0.952		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.850*		mg/Kg	0.952		89.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.932*		mg/Kg	0.952		97.9	30-150			
Batch B037210 - SW-846 3540C										
Blank (B037210-BLK1)				Prepared: 09/13/11 Analyzed: 09/16/11						
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]	*0.960*		mg/Kg	1.00		96.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.861*		mg/Kg	1.00		86.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.964*		mg/Kg	1.00		96.4	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 B037210 - SW-846 3540C										
LCS (B037210-BS1)				Prepared: 09/13/11 Analyzed: 09/16/11						
Aroclor-1016	0.24	0.10	mg/Kg	0.250		95.7	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		108	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250		119	40-140			
Surrogate: Decachlorobiphenyl	*1.15*		mg/Kg	1.00		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.14*		mg/Kg	1.00		114	30-150			
LCS Dup (B037210-BSD1)				Prepared: 09/13/11 Analyzed: 09/16/11						
Aroclor-1016	0.24	0.10	mg/Kg	0.250		96.3	40-140	0.567	30	
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140	2.03	30	
Aroclor-1260	0.27	0.10	mg/Kg	0.250		108	40-140	2.33	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		110	40-140	7.77	30	
Surrogate: Decachlorobiphenyl	*0.880*		mg/Kg	1.00		88.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.825*		mg/Kg	1.00		82.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.04*		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.16*		mg/Kg	1.00		116	30-150			
Matrix Spike (B037210-MS1)		**Source: 11I0327-20**		Prepared: 09/13/11 Analyzed: 09/17/11						
Aroclor-1016	0.19	0.091	mg/Kg	0.227	0.0	84.1	40-140			
Aroclor-1016 [2C]	0.25	0.091	mg/Kg	0.227	0.0	110	40-140			
Aroclor-1260	0.18	0.091	mg/Kg	0.227	0.0	78.5	40-140			
Aroclor-1260 [2C]	0.19	0.091	mg/Kg	0.227	0.0	82.0	40-140			
Surrogate: Decachlorobiphenyl	*0.885*		mg/Kg	0.909		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.835*		mg/Kg	0.909		91.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.839*		mg/Kg	0.909		92.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.02*		mg/Kg	0.909		113	30-150			
Matrix Spike Dup (B037210-MSD1)		**Source: 11I0327-20**		Prepared: 09/13/11 Analyzed: 09/17/11						
Aroclor-1016	0.25	0.10	mg/Kg	0.250	0.0	99.6	40-140	26.3	50	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250	0.0	117	40-140	15.6	50	
Aroclor-1260	0.23	0.10	mg/Kg	0.250	0.0	92.9	40-140	26.3	50	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250	0.0	107	40-140	35.3	50	
Surrogate: Decachlorobiphenyl	*1.12*		mg/Kg	1.00		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.07*		mg/Kg	1.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.21*		mg/Kg	1.00		121	30-150			
Batch B037280 - SW-846 3540C										
Blank (B037280-BLK1)				Prepared: 09/14/11 Analyzed: 09/16/11						
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							

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 B037280 - SW-846 3540C											
Blank (B037280-BLK1)				Prepared: 09/14/11 Analyzed: 09/16/11							
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	*1.25*		mg/Kg	1.00		125		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.17*		mg/Kg	1.00		117		30-150			
Surrogate: Tetrachloro-m-xylene	*1.28*		mg/Kg	1.00		128		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.19*		mg/Kg	1.00		119		30-150			
LCS (B037280-BS1)				Prepared: 09/14/11 Analyzed: 09/16/11							
Aroclor-1016	0.34	0.10	mg/Kg	0.250		135		40-140			
Aroclor-1016 [2C]	0.33	0.10	mg/Kg	0.250		133		40-140			
Aroclor-1260	0.32	0.10	mg/Kg	0.250		129		40-140			
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		124		40-140			
Surrogate: Decachlorobiphenyl	*1.22*		mg/Kg	1.00		122		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.15*		mg/Kg	1.00		115		30-150			
Surrogate: Tetrachloro-m-xylene	*1.29*		mg/Kg	1.00		129		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.20*		mg/Kg	1.00		120		30-150			
LCS Dup (B037280-BSD1)				Prepared: 09/14/11 Analyzed: 09/16/11							
Aroclor-1016	0.35	0.10	mg/Kg	0.250		140		40-140	3.60	30	
Aroclor-1016 [2C]	0.34	0.10	mg/Kg	0.250		138		40-140	3.50	30	
Aroclor-1260	0.33	0.10	mg/Kg	0.250		132		40-140	2.18	30	
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		125		40-140	0.124	30	
Surrogate: Decachlorobiphenyl	*1.20*		mg/Kg	1.00		120		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.13*		mg/Kg	1.00		113		30-150			
Surrogate: Tetrachloro-m-xylene	*1.25*		mg/Kg	1.00		125		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.16*		mg/Kg	1.00		116		30-150			
Matrix Spike (B037280-MS1)		**Source: 11I0327-52**		Prepared: 09/14/11 Analyzed: 09/16/11							
Aroclor-1016	0.44	0.10	mg/Kg	0.250	0.0	**175**	*	40-140			MS-21
Aroclor-1016 [2C]	0.54	0.10	mg/Kg	0.250	0.0	**216**	*	40-140			MS-21
Aroclor-1260	0.52	0.10	mg/Kg	0.250	0.0	**207**	*	40-140			MS-21
Aroclor-1260 [2C]	0.52	0.10	mg/Kg	0.250	0.0	**207**	*	40-140			MS-21
Surrogate: Decachlorobiphenyl	*1.23*		mg/Kg	1.00		123		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.17*		mg/Kg	1.00		117		30-150			
Surrogate: Tetrachloro-m-xylene	*1.32*		mg/Kg	1.00		132		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.21*		mg/Kg	1.00		121		30-150			
Matrix Spike Dup (B037280-MSD1)		**Source: 11I0327-52**		Prepared: 09/14/11 Analyzed: 09/16/11							
Aroclor-1016	0.40	0.087	mg/Kg	0.217	0.0	**183**	*	40-140	9.70	50	MS-21
Aroclor-1016 [2C]	0.53	0.087	mg/Kg	0.217	0.0	**242**	*	40-140	2.48	50	MS-21
Aroclor-1260	0.43	0.087	mg/Kg	0.217	0.0	**198**	*	40-140	18.4	50	MS-21
Aroclor-1260 [2C]	0.43	0.087	mg/Kg	0.217	0.0	**196**	*	40-140	19.4	50	MS-21
Surrogate: Decachlorobiphenyl	*1.06*		mg/Kg	0.870		122		30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.02*		mg/Kg	0.870		117		30-150			
Surrogate: Tetrachloro-m-xylene	*1.17*		mg/Kg	0.870		134		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.08*		mg/Kg	0.870		124		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 B037282 - SW-846 3540C										
Blank (B037282-BLK1)				Prepared: 09/14/11 Analyzed: 09/17/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*5.14*		mg/Kg	8.00		64.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.90*		mg/Kg	8.00		61.2	30-150			
Surrogate: Tetrachloro-m-xylene	*4.77*		mg/Kg	8.00		59.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*5.54*		mg/Kg	8.00		69.2	30-150			
LCS (B037282-BS1)				Prepared: 09/14/11 Analyzed: 09/17/11						
Aroclor-1016	5.0	0.20	mg/Kg	8.00		63.0	40-140			
Aroclor-1016 [2C]	5.4	0.20	mg/Kg	8.00		67.4	40-140			
Aroclor-1260	5.2	0.20	mg/Kg	8.00		64.5	40-140			
Aroclor-1260 [2C]	6.0	0.20	mg/Kg	8.00		74.4	40-140			
Surrogate: Decachlorobiphenyl	*6.15*		mg/Kg	8.00		76.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*5.93*		mg/Kg	8.00		74.1	30-150			
Surrogate: Tetrachloro-m-xylene	*5.21*		mg/Kg	8.00		65.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*6.00*		mg/Kg	8.00		75.0	30-150			
LCS Dup (B037282-BSD1)				Prepared: 09/14/11 Analyzed: 09/17/11						
Aroclor-1016	5.0	0.20	mg/Kg	8.00		62.3	40-140	1.11	30	
Aroclor-1016 [2C]	5.3	0.20	mg/Kg	8.00		66.2	40-140	1.80	30	
Aroclor-1260	4.9	0.20	mg/Kg	8.00		61.1	40-140	5.37	30	
Aroclor-1260 [2C]	5.7	0.20	mg/Kg	8.00		71.3	40-140	4.32	30	
Surrogate: Decachlorobiphenyl	*5.92*		mg/Kg	8.00		74.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*5.69*		mg/Kg	8.00		71.1	30-150			
Surrogate: Tetrachloro-m-xylene	*5.39*		mg/Kg	8.00		67.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*6.23*		mg/Kg	8.00		77.9	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 B037283 - SW-846 3540C										
Blank (B037283-BLK1)				Prepared: 09/14/11 Analyzed: 09/17/11						
Aroclor-1016	ND	0.50	mg/Kg							
Aroclor-1016 [2C]	ND	0.50	mg/Kg							
Aroclor-1221	ND	0.50	mg/Kg							
Aroclor-1221 [2C]	ND	0.50	mg/Kg							
Aroclor-1232	ND	0.50	mg/Kg							
Aroclor-1232 [2C]	ND	0.50	mg/Kg							
Aroclor-1242	ND	0.50	mg/Kg							
Aroclor-1242 [2C]	ND	0.50	mg/Kg							
Aroclor-1248	ND	0.50	mg/Kg							
Aroclor-1248 [2C]	ND	0.50	mg/Kg							
Aroclor-1254	ND	0.50	mg/Kg							
Aroclor-1254 [2C]	ND	0.50	mg/Kg							
Aroclor-1260	ND	0.50	mg/Kg							
Aroclor-1260 [2C]	ND	0.50	mg/Kg							
Aroclor-1262	ND	0.50	mg/Kg							
Aroclor-1262 [2C]	ND	0.50	mg/Kg							
Aroclor-1268	ND	0.50	mg/Kg							
Aroclor-1268 [2C]	ND	0.50	mg/Kg							
Surrogate: Decachlorobiphenyl	*14.7*		mg/Kg	10.0		147	30-150			
Surrogate: Decachlorobiphenyl [2C]	*14.1*		mg/Kg	10.0		141	30-150			
Surrogate: Tetrachloro-m-xylene	*13.4*		mg/Kg	10.0		134	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*15.0*		mg/Kg	10.0		150	30-150			
LCS (B037283-BS1)				Prepared: 09/14/11 Analyzed: 09/17/11						
Aroclor-1016	3.7	0.50	mg/Kg	5.00		74.9	40-140			
Aroclor-1016 [2C]	4.4	0.50	mg/Kg	5.00		87.7	40-140			
Aroclor-1260	3.7	0.50	mg/Kg	5.00		74.4	40-140			
Aroclor-1260 [2C]	4.6	0.50	mg/Kg	5.00		91.9	40-140			
Surrogate: Decachlorobiphenyl	*14.6*		mg/Kg	10.0		146	30-150			
Surrogate: Decachlorobiphenyl [2C]	*13.9*		mg/Kg	10.0		139	30-150			
Surrogate: Tetrachloro-m-xylene	*12.9*		mg/Kg	10.0		129	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*14.9*		mg/Kg	10.0		149	30-150			
LCS Dup (B037283-BSD1)				Prepared: 09/14/11 Analyzed: 09/17/11						
Aroclor-1016	3.2	0.50	mg/Kg	5.00		64.4	40-140	15.0	30	
Aroclor-1016 [2C]	3.6	0.50	mg/Kg	5.00		72.4	40-140	19.1	30	
Aroclor-1260	3.2	0.50	mg/Kg	5.00		63.9	40-140	15.3	30	
Aroclor-1260 [2C]	3.8	0.50	mg/Kg	5.00		75.8	40-140	19.2	30	
Surrogate: Decachlorobiphenyl	*13.6*		mg/Kg	10.0		136	30-150			
Surrogate: Decachlorobiphenyl [2C]	*13.1*		mg/Kg	10.0		131	30-150			
Surrogate: Tetrachloro-m-xylene	*11.7*		mg/Kg	10.0		117	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*13.4*		mg/Kg	10.0		134	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/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
RL-04	Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

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	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

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

Page 1 of

1110327

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@atcassociates.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

									1														# of Containers
									None														** Preservation
									Other														***Container Code
									PCBs 8082 (Soxhalet Ext.)	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																
01	PBC-A Adj S	9/9/11	9/9/11		x	s	U		✓														
02	PBC-A Adj D	9/9/11	9/9/11		x	s	U		✓														
03	PBC-B Adj S	9/9/11	9/9/11		x	s	U		✓														
04	PBC-B Adj D	9/9/11	9/9/11		x	s	U		✓														
05	PBC-C Adj S	9/9/11	9/9/11		x	s	U		✓														
06	PBC-C Adj D	9/9/11	9/9/11		x	s	U		✓														
07	PBC-D Adj S	9/9/11	9/9/11		x	s	U		✓														
08	PBC-D Adj D	9/9/11	9/9/11		x	s	U		✓														
09	PDC-A Adj	9/9/11	9/9/11		x	s	U		✓														
10	PDC-A1 Adj	9/9/11	9/9/11		x	s	U		✓														

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: 9/12/11 800	
Received by: (signature)	Date/Time: 9/12 1342	
Relinquished by: (signature)	Date/Time: 9/13 1715	
Received by: (signature) Paula Blakeborough	Date/Time: 9/12 1715	

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA

NELAC & AIHA Certified
WBE/DBE Certified

†† 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.

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

39 Spruce Street
East longmeadow, MA 01028

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
O FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@atcassociates.com
Format: ◉ PDF ◉ EXCEL O GIS
O OTHER
O "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
O 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 (Soxhalet Ext.)											# of Containers	** Preservation	***Container Code
								1												None	Other
11	PDC-B Adj	9/9/11	9/9/11		x	s	U	✓													
12	PDC-C Adj	9/9/11	9/9/11		x	s	U	✓													
13	PWC-A Adj S	9/9/11	9/9/11		x	s	U	✓													
14	PWC-A Adj D	9/9/11	9/9/11		x	s	U	✓													
15	PWC-B Adj S	9/9/11	9/9/11		x	s	U	✓													
16	PWC-B Adj D	9/9/11	9/9/11		x	s	U	✓													
17	PWC-C Adj S	9/9/11	9/9/11		x	s	U	✓													
18	PWC-C Adj D	9/9/11	9/9/11		x	s	U	✓													
19	KPC-A S	9/9/11	9/9/11		x	s	U	✓													
20	KPC-A D	9/9/11	9/9/11		x	s	U	✓													

ANALYSIS REQUESTED

Dissolved Metals
O Field Filtered
O 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: 9/12/11 8:00	
Received by: (signature)	Date/Time: 9/12 13:45	
Relinquished by: (signature)	Date/Time: 9/12 17:15	
Received by: (signature) Paula Belkebow 9/12	Date/Time: 1715	

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
O MCP Form Required
O RCP Form Required
O MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
AIHA ACCREDITED LABORATORY

NELAC & AIHA Certified
WBE/DBE Certified

†† 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.

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

39 Spruce Street
East longmeadow, MA 01028

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhalet Ext.)										
21	KPC-B	9/9/11	9/9/11		x	s	U	✓										
22	PPC-A	9/9/11	9/9/11		x	s	U	✓										
23	PPC-B	9/9/11	9/9/11		x	s	U	✓										
24	PPC-C	9/9/11	9/9/11		x	s	U	✓										
25	PPC-D	9/9/11	9/9/11		x	s	U	✓										
26	GHE-A	9/9/11	9/9/11		x	s	U	✓										
27	GHE-B	9/9/11	9/9/11		x	s	U	✓										
28	GHWI-C Adj	9/9/11	9/9/11		x	s	U	✓										
~~29~~	~~[illegible]~~	~~[illegible]~~	~~[illegible]~~		~~[illegible]~~	~~[illegible]~~	~~[illegible]~~	~~✓~~										
~~30~~ 29	GHFI-C Adj	9/9/11	9/9/11		x	s	U	✓										

ANALYSIS REQUESTED

1	# of Containers
None	** Preservation
Other	***Container Code

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) [signature]	Date/Time: 9/12/11 [illegible]
Received by: (signature) [signature] 9/12	Date/Time: 1345
Relinquished by: (signature) [signature] 9/12	Date/Time: 1775
Received by: (signature) Paula Blakeborough 9/12	Date/Time: 1715

Turnaround ††
◉ 7-Day
☐ 10-Day
☐ Other ___

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # ___

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA Environmental Lead & Industrial Hygiene Sea Analysis Ing for AIHA

NELAC & AIHA Certified
WBE/DBE Certified

†† 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.

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

39 Spruce Street
East longmeadow, MA 01028

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@atcassociates.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

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 (Soxhalet Ext.)
31 30	GHFE-A Adj	9/9/11	9/9/11		x	s	U	✓
32 31	GHFE-B Adj	9/9/11	9/9/11		x	s	U	✓
32	GHFE-C Adj	9/9/11	9/9/11		x	s	U	✓
33	BHWI-A Adj	9/9/11	9/9/11		x	s	U	✓
34	BHWI-B Adj	9/9/11	9/9/11		x	s	U	✓
35	BHFI-A Adj	9/9/11	9/9/11		x	s	U	✓
36	BHFI-B Adj	9/9/11	9/9/11		x	s	U	✓
37	BHFI-B1 Adj	9/9/11	9/9/11		x	s	U	✓
38	FHPC-A	9/9/11	9/9/11		x	s	U	✓
39	FHPC-B	9/9/11	9/9/11		x	s	U	✓

	1	None	Other
# of Containers			
** Preservation			
***Container Code			

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: 9/12/11	
Received by: (signature)	Date/Time: 9/12 1749	
Relinquished by: (signature)	Date/Time: 9/12 1715	
Received by: (signature) Paula Blakeborough 9/12	Date/Time: 1715	

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

Detection Limit Requirements
Massachusetts: _____
Connecticut: _____
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA

NELAC & AIHA Certified
WBE/DBE Certified

†† 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.

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

39 Spruce Street
East longmeadow, MA 01028

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhalet Ext.)										
40	BHI-A	9/9/11	9/9/11		x	s	U	✓										
41	BHI-B	9/9/11	9/9/11		x	s	U	✓										
42	PBC-A 12"	9/9/11	9/9/11		x	s	U	✓										
43	PBC-B 12"	9/9/11	9/9/11		x	s	U	✓										
44	PBC-C 12"	9/9/11	9/9/11		x	s	U	✓										
45	PBC-D 12"	9/9/11	9/9/11		x	s	U	✓										
46	PWC-A 6"	9/9/11	9/9/11		x	s	U	✓										
47	PWC-B 6"	9/9/11	9/9/11		x	s	U	✓										
48	GHWI-C 1 Block	9/9/11	9/9/11		x	s	U	✓										
49	GHWE-C 1 Block	9/6/11	9/6/11		x	s	U	✓										

ANALYSIS REQUESTED

1	# of Containers
None	** Preservation
Other	***Container Code

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:
[signature]	9/12/11 8:00
Received by: (signature) [signature] 9-12	Date/Time: 1345
Relinquished by: (signature) [signature] 9-12	Date/Time: 1712
Received by: (signature) Paula Blakeboro 9/12	Date/Time: 1715

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† 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.

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

39 Spruce Street
East longmeadow, MA 01028

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Project Proposal Provided? (for billing purposes)
O yes _____ proposal date

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
O FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@atcassociates.com
Format: ◉ PDF ◉ EXCEL O GIS
O OTHER _____
O "Enhanced Data Package"

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 (Soxhalet Ext.)										
								1										# of Containers
								None										** Preservation
								Other										***Container Code
50	GHFE-A 6"	9/9/11	9/9/11		x	s	U	✓										
51	GHFE-B 6"	9/9/11	9/9/11		x	s	U	✓										
52	BHWI-A 1 Block	9/9/11	9/9/11		x	s	U	✓										
53	BHFI-A 6"	9/9/11	9/9/11		x	s	U	✓										

ANALYSIS REQUESTED

Dissolved Metals
O Field Filtered
O 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: 9/12/11	
Received by: (signature)	Date/Time: 9/12	1345
Relinquished by: (signature)	Date/Time: 9/12	1715
Received by: (signature) Paula Blokeborough	Date/Time: 9/12	1715

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

Detection Limit Requirements
Massachusetts: _____
Connecticut: _____
Other: 1 ppm or lower

Is your project MCP or RCP ?
O MCP Form Required
O RCP Form Required
O MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA

NELAC & AIHA Certified
WBE/DBE Certified

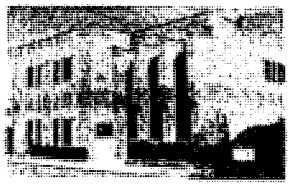
†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist



CLIENT NAME: ATC **RECEIVED BY:** PB **DATE:** 9/12/11

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

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 5.5

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) 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	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	53
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

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 _____

Doc# 277

Rev. 1 May 2011

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

September 16, 2011

Michael Gitten
ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801

Project Location: Southbridge Pool
Client Job Number:
Project Number: 060.29841.0002
Laboratory Work Order Number: 11I0180

Enclosed are results of analyses for samples received by the laboratory on September 7, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Michael Gitten

REPORT DATE: 9/16/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 060.29841.0002

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11I0180

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

PROJECT LOCATION: Southbridge Pool

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PDG-A	11I0180-01	Caulk		SW-846 8082A	
PDB-A	11I0180-02	Caulk		SW-846 8082A	
PDB-A1	11I0180-03	Caulk		SW-846 8082A	
PDB-B	11I0180-04	Caulk		SW-846 8082A	
PDB-C	11I0180-05	Caulk		SW-846 8082A	
PBS-A	11I0180-06	Caulk		SW-846 8082A	
PBS-A1	11I0180-07	Caulk		SW-846 8082A	
PBS-C	11I0180-08	Caulk		SW-846 8082A	
PGW-A	11I0180-09	Wipe		SW-846 8082A	
PGW-B	11I0180-10	Wipe		SW-846 8082A	
GHDI	11I0180-11	Caulk		SW-846 8082A	
GHDE	11I0180-12	Caulk		SW-846 8082A	
GHI-A	11I0180-13	Caulk		SW-846 8082A	
GHWI-A Adj	11I0180-14	Product/Solid		SW-846 8082A	
GHWI-A Adj	11I0180-15	Product/Solid		SW-846 8082A	
GHWI-B Adj	11I0180-16	Product/Solid		SW-846 8082A	
GHWE-A Adj	11I0180-17	Product/Solid		SW-846 8082A	
GHWE-B Adj	11I0180-18	Product/Solid		SW-846 8082A	
GHFI-A 6in	11I0180-19	Product/Solid		SW-846 8082A	
GHFI-B 6in	11I0180-20	Product/Solid		SW-846 8082A	
FWCI-A Adj	11I0180-21	Product/Solid		SW-846 8082A	
FWCI-B Adj	11I0180-22	Product/Solid		SW-846 8082A	
FWCE-A Adj	11I0180-23	Product/Solid		SW-846 8082A	
FWCE-B Adj	11I0180-24	Product/Solid		SW-846 8082A	
FHCI Adj	11I0180-25	Product/Solid		SW-846 8082A	
FHCE Adj	11I0180-26	Product/Solid		SW-846 8082A	
FHWC-A Adj	11I0180-27	Product/Solid		SW-846 8082A	
FHWC-B Adj	11I0180-28	Product/Solid		SW-846 8082A	
FHPC-A	11I0180-29	Product/Solid		SW-846 8082A	
FHSC-B	11I0180-30	Product/Solid		SW-846 8082A	
BHDI	11I0180-31	Caulk		SW-846 8082A	
BHDE	11I0180-32	Caulk		SW-846 8082A	

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 8082A

Qualifications:

Elevated reporting limit due to sample matrix interference. Requested detection limit not met.

Analyte & Samples(s) Qualified:

11I0180-08[PBS-C]

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]

11I0180-02[PDB-A], 11I0180-03[PDB-A1], 11I0180-08[PBS-C], 11I0180-13[GHI-A], 11I0180-14[GHWI-A Adj], 11I0180-15[GHWI-A Adj], 11I0180-16[GHWI-B Adj], 11I0180-22[FWCI-B Adj], 11I0180-26[FHCE Adj], 11I0180-31[BHDI]

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]

11I0180-04[PDB-B], 11I0180-05[PDB-C]

Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.

Analyte & Samples(s) Qualified:

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

B037035-BS1, B037035-BSD1

Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

Analyte & Samples(s) Qualified:

Aroclor-1254

11I0180-02[PDB-A], 11I0180-03[PDB-A1], 11I0180-04[PDB-B]

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

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

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: PDG-A
Sampled: 9/1/2011 00:00

Sample ID: 11I0180-01

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 13:33	PJG
Aroclor-1221 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 13:33	PJG
Aroclor-1232 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 13:33	PJG
Aroclor-1242 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 13:33	PJG
Aroclor-1248 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 13:33	PJG
Aroclor-1254 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 13:33	PJG
Aroclor-1260 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 13:33	PJG
Aroclor-1262 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 13:33	PJG
Aroclor-1268 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 13:33	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	84.3	30-150		9/12/11 13:33
Decachlorobiphenyl [2]	82.8	30-150		9/12/11 13:33
Tetrachloro-m-xylene [1]	96.1	30-150		9/12/11 13:33
Tetrachloro-m-xylene [2]	101	30-150		9/12/11 13:33

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: PDB-A | Sampled: 9/1/2011 00:00

Sample ID: 11I0180-02

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.3	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:46	PJG
Aroclor-1221 [1]	ND	9.3	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:46	PJG
Aroclor-1232 [1]	ND	9.3	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:46	PJG
Aroclor-1242 [1]	ND	9.3	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:46	PJG
Aroclor-1248 [1]	ND	9.3	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:46	PJG
Aroclor-1254 [1]	27	9.3	mg/Kg	50	V-24	SW-846 8082A	9/9/11	9/12/11 13:46	PJG
Aroclor-1260 [1]	ND	9.3	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:46	PJG
Aroclor-1262 [1]	ND	9.3	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:46	PJG
Aroclor-1268 [1]	ND	9.3	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:46	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/12/11 13:46
Decachlorobiphenyl [2]	*	30-150	S-01	9/12/11 13:46
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/12/11 13:46
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/12/11 13:46

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: PDB-A1 | Sampled: 9/1/2011 00:00

Sample ID: 11I0180-03

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:59	PJG
Aroclor-1221 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:59	PJG
Aroclor-1232 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:59	PJG
Aroclor-1242 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:59	PJG
Aroclor-1248 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:59	PJG
Aroclor-1254 [1]	34	9.5	mg/Kg	50	V-24	SW-846 8082A	9/9/11	9/12/11 13:59	PJG
Aroclor-1260 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:59	PJG
Aroclor-1262 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:59	PJG
Aroclor-1268 [1]	ND	9.5	mg/Kg	50		SW-846 8082A	9/9/11	9/12/11 13:59	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/12/11 13:59
Decachlorobiphenyl [2]	*	30-150	S-01	9/12/11 13:59
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/12/11 13:59
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/12/11 13:59

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: PDB-B | Sampled: 9/1/2011 00:00

Sample ID: 11I0180-04

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:12	PJG
Aroclor-1221 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:12	PJG
Aroclor-1232 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:12	PJG
Aroclor-1242 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:12	PJG
Aroclor-1248 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:12	PJG
Aroclor-1254 [1]	1.5	0.91	mg/Kg	5	V-24	SW-846 8082A	9/9/11	9/12/11 14:12	PJG
Aroclor-1260 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:12	PJG
Aroclor-1262 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:12	PJG
Aroclor-1268 [1]	ND	0.91	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:12	PJG

Surrogates	% Recovery		Recovery Limits	Flag	
Decachlorobiphenyl [1]	96.4		30-150		9/12/11 14:12
Decachlorobiphenyl [2]	**277**	*	30-150	S-02	9/12/11 14:12
Tetrachloro-m-xylene [1]	103		30-150		9/12/11 14:12
Tetrachloro-m-xylene [2]	109		30-150		9/12/11 14:12

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: PDB-C | Sampled: 9/1/2011 00:00

Sample ID: 11I0180-05

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:25	PJG
Aroclor-1221 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:25	PJG
Aroclor-1232 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:25	PJG
Aroclor-1242 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:25	PJG
Aroclor-1248 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:25	PJG
Aroclor-1254 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:25	PJG
Aroclor-1260 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:25	PJG
Aroclor-1262 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:25	PJG
Aroclor-1268 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:25	PJG

Surrogates	% Recovery		Recovery Limits	Flag	
Decachlorobiphenyl [1]	102		30-150		9/12/11 14:25
Decachlorobiphenyl [2]	**278**	*	30-150	S-02	9/12/11 14:25
Tetrachloro-m-xylene [1]	104		30-150		9/12/11 14:25
Tetrachloro-m-xylene [2]	113		30-150		9/12/11 14:25

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: PBS-A
Sampled: 9/1/2011 00:00

Sample ID: 11I0180-06

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:38	PJG
Aroclor-1221 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:38	PJG
Aroclor-1232 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:38	PJG
Aroclor-1242 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:38	PJG
Aroclor-1248 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:38	PJG
Aroclor-1254 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:38	PJG
Aroclor-1260 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:38	PJG
Aroclor-1262 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:38	PJG
Aroclor-1268 [1]	ND	0.92	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:38	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	117	30-150		9/12/11 14:38
Decachlorobiphenyl [2]	113	30-150		9/12/11 14:38
Tetrachloro-m-xylene [1]	94.1	30-150		9/12/11 14:38
Tetrachloro-m-xylene [2]	104	30-150		9/12/11 14:38

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: PBS-A1
Sampled: 9/1/2011 00:00

Sample ID: 11I0180-07

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:51	PJG
Aroclor-1221 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:51	PJG
Aroclor-1232 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:51	PJG
Aroclor-1242 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:51	PJG
Aroclor-1248 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:51	PJG
Aroclor-1254 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:51	PJG
Aroclor-1260 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:51	PJG
Aroclor-1262 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:51	PJG
Aroclor-1268 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	9/9/11	9/12/11 14:51	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	112	30-150		9/12/11 14:51
Decachlorobiphenyl [2]	106	30-150		9/12/11 14:51
Tetrachloro-m-xylene [1]	100	30-150		9/12/11 14:51
Tetrachloro-m-xylene [2]	112	30-150		9/12/11 14:51

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: PBS-C | Sampled: 9/1/2011 00:00

Sample ID: 11I0180-08

Sample Matrix: Caulk

Sample Flags: RL-04

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	18	mg/Kg	100		SW-846 8082A	9/9/11	9/12/11 15:04	PJG
Aroclor-1221 [1]	ND	18	mg/Kg	100		SW-846 8082A	9/9/11	9/12/11 15:04	PJG
Aroclor-1232 [1]	ND	18	mg/Kg	100		SW-846 8082A	9/9/11	9/12/11 15:04	PJG
Aroclor-1242 [1]	ND	18	mg/Kg	100		SW-846 8082A	9/9/11	9/12/11 15:04	PJG
Aroclor-1248 [1]	ND	18	mg/Kg	100		SW-846 8082A	9/9/11	9/12/11 15:04	PJG
Aroclor-1254 [1]	ND	18	mg/Kg	100		SW-846 8082A	9/9/11	9/12/11 15:04	PJG
Aroclor-1260 [1]	ND	18	mg/Kg	100		SW-846 8082A	9/9/11	9/12/11 15:04	PJG
Aroclor-1262 [1]	ND	18	mg/Kg	100		SW-846 8082A	9/9/11	9/12/11 15:04	PJG
Aroclor-1268 [1]	ND	18	mg/Kg	100		SW-846 8082A	9/9/11	9/12/11 15:04	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/12/11 15:04
Decachlorobiphenyl [2]	*	30-150	S-01	9/12/11 15:04
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/12/11 15:04
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/12/11 15:04

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: PGW-A
Sampled: 9/1/2011 00:00

Sample ID: 11I0180-09

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 8082A	9/9/11	9/11/11 2:13	PJG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:13	PJG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:13	PJG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:13	PJG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:13	PJG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:13	PJG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:13	PJG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:13	PJG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:13	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	88.9	30-150		9/11/11 2:13
Decachlorobiphenyl [2]	92.7	30-150		9/11/11 2:13
Tetrachloro-m-xylene [1]	94.7	30-150		9/11/11 2:13
Tetrachloro-m-xylene [2]	99.9	30-150		9/11/11 2:13

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: PGW-B | Sampled: 9/1/2011 00:00

Sample ID: 11I0180-10

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 8082A	9/9/11	9/11/11 2:26	PJG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:26	PJG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:26	PJG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:26	PJG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:26	PJG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:26	PJG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:26	PJG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:26	PJG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	9/9/11	9/11/11 2:26	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	88.6	30-150		9/11/11 2:26
Decachlorobiphenyl [2]	91.9	30-150		9/11/11 2:26
Tetrachloro-m-xylene [1]	94.3	30-150		9/11/11 2:26
Tetrachloro-m-xylene [2]	99.4	30-150		9/11/11 2:26

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: GHDI
Sampled: 9/1/2011 00:00

Sample ID: 11I0180-11

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 13:34	PJG
Aroclor-1221 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 13:34	PJG
Aroclor-1232 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 13:34	PJG
Aroclor-1242 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 13:34	PJG
Aroclor-1248 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 13:34	PJG
Aroclor-1254 [2]	10	0.87	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 13:34	PJG
Aroclor-1260 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 13:34	PJG
Aroclor-1262 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 13:34	PJG
Aroclor-1268 [1]	ND	0.87	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 13:34	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	108	30-150		9/14/11 13:34
Decachlorobiphenyl [2]	105	30-150		9/14/11 13:34
Tetrachloro-m-xylene [1]	92.2	30-150		9/14/11 13:34
Tetrachloro-m-xylene [2]	112	30-150		9/14/11 13:34

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: GHDE
Sampled: 9/1/2011 00:00

Sample ID: 11I0180-12

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	9/10/11	9/13/11 17:34	PJG
Aroclor-1221 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	9/10/11	9/13/11 17:34	PJG
Aroclor-1232 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	9/10/11	9/13/11 17:34	PJG
Aroclor-1242 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	9/10/11	9/13/11 17:34	PJG
Aroclor-1248 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	9/10/11	9/13/11 17:34	PJG
Aroclor-1254 [2]	1.2	0.89	mg/Kg	5		SW-846 8082A	9/10/11	9/13/11 17:34	PJG
Aroclor-1260 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	9/10/11	9/13/11 17:34	PJG
Aroclor-1262 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	9/10/11	9/13/11 17:34	PJG
Aroclor-1268 [1]	ND	0.89	mg/Kg	5		SW-846 8082A	9/10/11	9/13/11 17:34	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.7	30-150		9/13/11 17:34
Decachlorobiphenyl [2]	86.7	30-150		9/13/11 17:34
Tetrachloro-m-xylene [1]	99.9	30-150		9/13/11 17:34
Tetrachloro-m-xylene [2]	127	30-150		9/13/11 17:34

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: GHI-A | Sampled: 9/1/2011 00:00

Sample ID: 11I0180-13

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	7300	mg/Kg	40000		SW-846 8082A	9/10/11	9/14/11 13:48	PJG
Aroclor-1221 [1]	ND	7300	mg/Kg	40000		SW-846 8082A	9/10/11	9/14/11 13:48	PJG
Aroclor-1232 [1]	ND	7300	mg/Kg	40000		SW-846 8082A	9/10/11	9/14/11 13:48	PJG
Aroclor-1242 [1]	ND	7300	mg/Kg	40000		SW-846 8082A	9/10/11	9/14/11 13:48	PJG
Aroclor-1248 [1]	ND	7300	mg/Kg	40000		SW-846 8082A	9/10/11	9/14/11 13:48	PJG
Aroclor-1254 [2]	180000	7300	mg/Kg	40000		SW-846 8082A	9/10/11	9/14/11 13:48	PJG
Aroclor-1260 [1]	ND	7300	mg/Kg	40000		SW-846 8082A	9/10/11	9/14/11 13:48	PJG
Aroclor-1262 [1]	ND	7300	mg/Kg	40000		SW-846 8082A	9/10/11	9/14/11 13:48	PJG
Aroclor-1268 [1]	ND	7300	mg/Kg	40000		SW-846 8082A	9/10/11	9/14/11 13:48	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/14/11 13:48
Decachlorobiphenyl [2]	*	30-150	S-01	9/14/11 13:48
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/14/11 13:48
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/14/11 13:48

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: GHWI-A Adj
Sampled: 9/6/2011 00:00

Sample ID: 11I0180-14

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/10/11	9/14/11 17:09	PJG
Aroclor-1221 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/10/11	9/14/11 17:09	PJG
Aroclor-1232 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/10/11	9/14/11 17:09	PJG
Aroclor-1242 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/10/11	9/14/11 17:09	PJG
Aroclor-1248 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/10/11	9/14/11 17:09	PJG
Aroclor-1254 [2]	99	19	mg/Kg	200		SW-846 8082A	9/10/11	9/14/11 17:09	PJG
Aroclor-1260 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/10/11	9/14/11 17:09	PJG
Aroclor-1262 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/10/11	9/14/11 17:09	PJG
Aroclor-1268 [1]	ND	19	mg/Kg	200		SW-846 8082A	9/10/11	9/14/11 17:09	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/14/11 17:09
Decachlorobiphenyl [2]	*	30-150	S-01	9/14/11 17:09
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/14/11 17:09
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/14/11 17:09

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: GHWI-A Adj | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-15

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	9/10/11	9/14/11 17:22	PJG
Aroclor-1221 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	9/10/11	9/14/11 17:22	PJG
Aroclor-1232 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	9/10/11	9/14/11 17:22	PJG
Aroclor-1242 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	9/10/11	9/14/11 17:22	PJG
Aroclor-1248 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	9/10/11	9/14/11 17:22	PJG
Aroclor-1254 [2]	48	9.1	mg/Kg	100		SW-846 8082A	9/10/11	9/14/11 17:22	PJG
Aroclor-1260 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	9/10/11	9/14/11 17:22	PJG
Aroclor-1262 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	9/10/11	9/14/11 17:22	PJG
Aroclor-1268 [1]	ND	9.1	mg/Kg	100		SW-846 8082A	9/10/11	9/14/11 17:22	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/14/11 17:22
Decachlorobiphenyl [2]	*	30-150	S-01	9/14/11 17:22
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/14/11 17:22
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/14/11 17:22

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: GHWI-B Adj | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	87	mg/Kg	1000		SW-846 8082A	9/10/11	9/15/11 16:09	PJG
Aroclor-1221 [1]	ND	87	mg/Kg	1000		SW-846 8082A	9/10/11	9/15/11 16:09	PJG
Aroclor-1232 [1]	ND	87	mg/Kg	1000		SW-846 8082A	9/10/11	9/15/11 16:09	PJG
Aroclor-1242 [1]	ND	87	mg/Kg	1000		SW-846 8082A	9/10/11	9/15/11 16:09	PJG
Aroclor-1248 [1]	ND	87	mg/Kg	1000		SW-846 8082A	9/10/11	9/15/11 16:09	PJG
Aroclor-1254 [2]	740	87	mg/Kg	1000		SW-846 8082A	9/10/11	9/15/11 16:09	PJG
Aroclor-1260 [1]	ND	87	mg/Kg	1000		SW-846 8082A	9/10/11	9/15/11 16:09	PJG
Aroclor-1262 [1]	ND	87	mg/Kg	1000		SW-846 8082A	9/10/11	9/15/11 16:09	PJG
Aroclor-1268 [1]	ND	87	mg/Kg	1000		SW-846 8082A	9/10/11	9/15/11 16:09	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/15/11 16:09
Decachlorobiphenyl [2]	*	30-150	S-01	9/15/11 16:09
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/15/11 16:09
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/15/11 16:09

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: GHWE-A Adj | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-17

Sample Matrix: Product/Solid

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 8082A	9/10/11	9/15/11 16:21	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:21	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:21	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:21	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:21	PJG
Aroclor-1254 [2]	0.27	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:21	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:21	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:21	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:21	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		9/15/11 16:21
Decachlorobiphenyl [2]	105	30-150		9/15/11 16:21
Tetrachloro-m-xylene [1]	102	30-150		9/15/11 16:21
Tetrachloro-m-xylene [2]	110	30-150		9/15/11 16:21

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: GHWE-B Adj | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-18

Sample Matrix: Product/Solid

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 8082A	9/10/11	9/15/11 16:34	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:34	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:34	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:34	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:34	PJG
Aroclor-1254 [2]	0.18	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:34	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:34	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:34	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 16:34	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	96.5	30-150		9/15/11 16:34
Decachlorobiphenyl [2]	101	30-150		9/15/11 16:34
Tetrachloro-m-xylene [1]	92.9	30-150		9/15/11 16:34
Tetrachloro-m-xylene [2]	100	30-150		9/15/11 16:34

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: GHFI-A 6in
Sampled: 9/6/2011 00:00

Sample ID: 11I0180-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/13/11	9/15/11 18:16	PJG
Aroclor-1221 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/13/11	9/15/11 18:16	PJG
Aroclor-1232 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/13/11	9/15/11 18:16	PJG
Aroclor-1242 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/13/11	9/15/11 18:16	PJG
Aroclor-1248 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/13/11	9/15/11 18:16	PJG
Aroclor-1254 [2]	1.5	0.19	mg/Kg	2		SW-846 8082A	9/13/11	9/15/11 18:16	PJG
Aroclor-1260 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/13/11	9/15/11 18:16	PJG
Aroclor-1262 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/13/11	9/15/11 18:16	PJG
Aroclor-1268 [1]	ND	0.19	mg/Kg	2		SW-846 8082A	9/13/11	9/15/11 18:16	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	101	30-150		9/15/11 18:16
Decachlorobiphenyl [2]	109	30-150		9/15/11 18:16
Tetrachloro-m-xylene [1]	93.8	30-150		9/15/11 18:16
Tetrachloro-m-xylene [2]	104	30-150		9/15/11 18:16

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: GHFI-B 6in | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-20

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:13	PJG
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:13	PJG
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:13	PJG
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:13	PJG
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:13	PJG
Aroclor-1254 [2]	1.9	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:13	PJG
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:13	PJG
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:13	PJG
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:13	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	93.3	30-150		9/14/11 18:13
Decachlorobiphenyl [2]	104	30-150		9/14/11 18:13
Tetrachloro-m-xylene [1]	99.3	30-150		9/14/11 18:13
Tetrachloro-m-xylene [2]	114	30-150		9/14/11 18:13

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: FWCI-A Adj | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-21

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:25	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:25	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:25	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:25	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:25	PJG
Aroclor-1254 [2]	2.4	0.48	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:25	PJG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:25	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:25	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 18:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	93.7	30-150		9/14/11 18:25
Decachlorobiphenyl [2]	104	30-150		9/14/11 18:25
Tetrachloro-m-xylene [1]	104	30-150		9/14/11 18:25
Tetrachloro-m-xylene [2]	119	30-150		9/14/11 18:25

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: FWCI-B Adj | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-22

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1000	mg/Kg	10000		SW-846 8082A	9/10/11	9/15/11 16:47	PJG
Aroclor-1221 [1]	ND	1000	mg/Kg	10000		SW-846 8082A	9/10/11	9/15/11 16:47	PJG
Aroclor-1232 [1]	ND	1000	mg/Kg	10000		SW-846 8082A	9/10/11	9/15/11 16:47	PJG
Aroclor-1242 [1]	ND	1000	mg/Kg	10000		SW-846 8082A	9/10/11	9/15/11 16:47	PJG
Aroclor-1248 [1]	ND	1000	mg/Kg	10000		SW-846 8082A	9/10/11	9/15/11 16:47	PJG
Aroclor-1254 [2]	7300	1000	mg/Kg	10000		SW-846 8082A	9/10/11	9/15/11 16:47	PJG
Aroclor-1260 [1]	ND	1000	mg/Kg	10000		SW-846 8082A	9/10/11	9/15/11 16:47	PJG
Aroclor-1262 [1]	ND	1000	mg/Kg	10000		SW-846 8082A	9/10/11	9/15/11 16:47	PJG
Aroclor-1268 [1]	ND	1000	mg/Kg	10000		SW-846 8082A	9/10/11	9/15/11 16:47	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/15/11 16:47
Decachlorobiphenyl [2]	*	30-150	S-01	9/15/11 16:47
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/15/11 16:47
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/15/11 16:47

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: FWCE-A Adj | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-23

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 16:59	PJG
Aroclor-1221 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 16:59	PJG
Aroclor-1232 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 16:59	PJG
Aroclor-1242 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 16:59	PJG
Aroclor-1248 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 16:59	PJG
Aroclor-1254 [2]	7.2	1.8	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 16:59	PJG
Aroclor-1260 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 16:59	PJG
Aroclor-1262 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 16:59	PJG
Aroclor-1268 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 16:59	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	108	30-150		9/15/11 16:59
Decachlorobiphenyl [2]	124	30-150		9/15/11 16:59
Tetrachloro-m-xylene [1]	95.6	30-150		9/15/11 16:59
Tetrachloro-m-xylene [2]	118	30-150		9/15/11 16:59

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: FWCE-B Adj | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-24

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:12	PJG
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:12	PJG
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:12	PJG
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:12	PJG
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:12	PJG
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:12	PJG
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:12	PJG
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:12	PJG
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:12	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.6	30-150		9/15/11 17:12
Decachlorobiphenyl [2]	96.0	30-150		9/15/11 17:12
Tetrachloro-m-xylene [1]	89.7	30-150		9/15/11 17:12
Tetrachloro-m-xylene [2]	97.1	30-150		9/15/11 17:12

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: FHCI Adj
Sampled: 9/6/2011 00:00

Sample ID: 11I0180-25

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 17:25	PJG
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 17:25	PJG
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 17:25	PJG
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 17:25	PJG
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 17:25	PJG
Aroclor-1254 [2]	6.9	2.0	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 17:25	PJG
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 17:25	PJG
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 17:25	PJG
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	9/10/11	9/15/11 17:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		9/15/11 17:25
Decachlorobiphenyl [2]	123	30-150		9/15/11 17:25
Tetrachloro-m-xylene [1]	92.8	30-150		9/15/11 17:25
Tetrachloro-m-xylene [2]	117	30-150		9/15/11 17:25

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: FHCE Adj | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-26

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	50	mg/Kg	500		SW-846 8082A	9/10/11	9/14/11 19:29	PJG
Aroclor-1221 [1]	ND	50	mg/Kg	500		SW-846 8082A	9/10/11	9/14/11 19:29	PJG
Aroclor-1232 [1]	ND	50	mg/Kg	500		SW-846 8082A	9/10/11	9/14/11 19:29	PJG
Aroclor-1242 [1]	ND	50	mg/Kg	500		SW-846 8082A	9/10/11	9/14/11 19:29	PJG
Aroclor-1248 [1]	ND	50	mg/Kg	500		SW-846 8082A	9/10/11	9/14/11 19:29	PJG
Aroclor-1254 [2]	350	50	mg/Kg	500		SW-846 8082A	9/10/11	9/14/11 19:29	PJG
Aroclor-1260 [1]	ND	50	mg/Kg	500		SW-846 8082A	9/10/11	9/14/11 19:29	PJG
Aroclor-1262 [1]	ND	50	mg/Kg	500		SW-846 8082A	9/10/11	9/14/11 19:29	PJG
Aroclor-1268 [1]	ND	50	mg/Kg	500		SW-846 8082A	9/10/11	9/14/11 19:29	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/14/11 19:29
Decachlorobiphenyl [2]	*	30-150	S-01	9/14/11 19:29
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/14/11 19:29
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/14/11 19:29

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: FHWC-A Adj | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-27

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/15/11 17:38	PJG
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/15/11 17:38	PJG
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/15/11 17:38	PJG
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/15/11 17:38	PJG
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/15/11 17:38	PJG
Aroclor-1254 [2]	1.0	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/15/11 17:38	PJG
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/15/11 17:38	PJG
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/15/11 17:38	PJG
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	9/10/11	9/15/11 17:38	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	98.7	30-150		9/15/11 17:38
Decachlorobiphenyl [2]	110	30-150		9/15/11 17:38
Tetrachloro-m-xylene [1]	93.0	30-150		9/15/11 17:38
Tetrachloro-m-xylene [2]	108	30-150		9/15/11 17:38

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: FHWC-B Adj | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-28

Sample Matrix: Product/Solid

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 19:55	PJG
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 19:55	PJG
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 19:55	PJG
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 19:55	PJG
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 19:55	PJG
Aroclor-1254 [2]	1.8	0.50	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 19:55	PJG
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 19:55	PJG
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 19:55	PJG
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 19:55	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.4	30-150		9/14/11 19:55
Decachlorobiphenyl [2]	101	30-150		9/14/11 19:55
Tetrachloro-m-xylene [1]	96.6	30-150		9/14/11 19:55
Tetrachloro-m-xylene [2]	111	30-150		9/14/11 19:55

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: FHPC-A | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-29

Sample Matrix: Product/Solid

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 8082A	9/10/11	9/15/11 17:50	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:50	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:50	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:50	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:50	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:50	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:50	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:50	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 17:50	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	93.4	30-150		9/15/11 17:50
Decachlorobiphenyl [2]	97.8	30-150		9/15/11 17:50
Tetrachloro-m-xylene [1]	94.1	30-150		9/15/11 17:50
Tetrachloro-m-xylene [2]	101	30-150		9/15/11 17:50

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: FHSC-B | Sampled: 9/6/2011 00:00

Sample ID: 11I0180-30

Sample Matrix: Product/Solid

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 8082A	9/10/11	9/15/11 18:03	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 18:03	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 18:03	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 18:03	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 18:03	PJG
Aroclor-1254 [2]	0.10	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 18:03	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 18:03	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 18:03	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/10/11	9/15/11 18:03	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.4	30-150		9/15/11 18:03
Decachlorobiphenyl [2]	91.1	30-150		9/15/11 18:03
Tetrachloro-m-xylene [1]	82.9	30-150		9/15/11 18:03
Tetrachloro-m-xylene [2]	91.1	30-150		9/15/11 18:03

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: BHDI
Sampled: 9/1/2011 00:00

Sample ID: 11I0180-31

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	340	mg/Kg	2000		SW-846 8082A	9/10/11	9/13/11 18:00	PJG
Aroclor-1221 [1]	ND	340	mg/Kg	2000		SW-846 8082A	9/10/11	9/13/11 18:00	PJG
Aroclor-1232 [1]	ND	340	mg/Kg	2000		SW-846 8082A	9/10/11	9/13/11 18:00	PJG
Aroclor-1242 [1]	ND	340	mg/Kg	2000		SW-846 8082A	9/10/11	9/13/11 18:00	PJG
Aroclor-1248 [1]	ND	340	mg/Kg	2000		SW-846 8082A	9/10/11	9/13/11 18:00	PJG
Aroclor-1254 [1]	1800	340	mg/Kg	2000		SW-846 8082A	9/10/11	9/13/11 18:00	PJG
Aroclor-1260 [1]	ND	340	mg/Kg	2000		SW-846 8082A	9/10/11	9/13/11 18:00	PJG
Aroclor-1262 [1]	ND	340	mg/Kg	2000		SW-846 8082A	9/10/11	9/13/11 18:00	PJG
Aroclor-1268 [1]	ND	340	mg/Kg	2000		SW-846 8082A	9/10/11	9/13/11 18:00	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	9/13/11 18:00
Decachlorobiphenyl [2]	*	30-150	S-01	9/13/11 18:00
Tetrachloro-m-xylene [1]	*	30-150	S-01	9/13/11 18:00
Tetrachloro-m-xylene [2]	*	30-150	S-01	9/13/11 18:00

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0180

Date Received: 9/7/2011

Field Sample #: BHDE
Sampled: 9/1/2011 00:00

Sample ID: 11I0180-32

Sample Matrix: Caulk

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 14:14	PJG
Aroclor-1221 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 14:14	PJG
Aroclor-1232 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 14:14	PJG
Aroclor-1242 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 14:14	PJG
Aroclor-1248 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 14:14	PJG
Aroclor-1254 [1]	4.8	0.84	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 14:14	PJG
Aroclor-1260 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 14:14	PJG
Aroclor-1262 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 14:14	PJG
Aroclor-1268 [1]	ND	0.84	mg/Kg	5		SW-846 8082A	9/10/11	9/14/11 14:14	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.2	30-150		9/14/11 14:14
Decachlorobiphenyl [2]	87.1	30-150		9/14/11 14:14
Tetrachloro-m-xylene [1]	103	30-150		9/14/11 14:14
Tetrachloro-m-xylene [2]	127	30-150		9/14/11 14:14

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 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I0180-01 [PDG-A]	B037035	0.547	10.0	09/09/11
11I0180-02 [PDB-A]	B037035	0.538	10.0	09/09/11
11I0180-03 [PDB-A1]	B037035	0.527	10.0	09/09/11
11I0180-04 [PDB-B]	B037035	0.547	10.0	09/09/11
11I0180-05 [PDB-C]	B037035	0.554	10.0	09/09/11
11I0180-06 [PBS-A]	B037035	0.543	10.0	09/09/11
11I0180-07 [PBS-A1]	B037035	0.538	10.0	09/09/11
11I0180-08 [PBS-C]	B037035	0.564	10.0	09/09/11

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I0180-11 [GHDI]	B037060	0.575	10.0	09/10/11
11I0180-12 [GHDE]	B037060	0.564	10.0	09/10/11
11I0180-13 [GHI-A]	B037060	0.550	10.0	09/10/11
11I0180-31 [BHDI]	B037060	0.595	10.0	09/10/11
11I0180-32 [BHDE]	B037060	0.593	10.0	09/10/11

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I0180-14 [GHWI-A Adj]	B037041	2.10	10.0	09/10/11
11I0180-15 [GHWI-A Adj]	B037041	2.20	10.0	09/10/11
11I0180-16 [GHWI-B Adj]	B037041	2.30	10.0	09/10/11
11I0180-17 [GHWE-A Adj]	B037041	2.10	10.0	09/10/11
11I0180-18 [GHWE-B Adj]	B037041	2.10	10.0	09/10/11
11I0180-20 [GHFI-B 6in]	B037041	2.20	10.0	09/10/11
11I0180-21 [FWCI-A Adj]	B037041	2.10	10.0	09/10/11
11I0180-22 [FWCI-B Adj]	B037041	2.00	10.0	09/10/11
11I0180-23 [FWCE-A Adj]	B037041	2.20	10.0	09/10/11
11I0180-24 [FWCE-B Adj]	B037041	2.30	10.0	09/10/11
11I0180-25 [FHCI Adj]	B037041	2.00	10.0	09/10/11
11I0180-26 [FHCE Adj]	B037041	2.00	10.0	09/10/11
11I0180-27 [FHWC-A Adj]	B037041	2.20	10.0	09/10/11
11I0180-28 [FHWC-B Adj]	B037041	2.00	10.0	09/10/11
11I0180-29 [FHPC-A]	B037041	2.00	10.0	09/10/11
11I0180-30 [FHSC-B]	B037041	2.00	10.0	09/10/11

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I0180-19 [GHFI-A 6in]	B037209	2.10	10.0	09/13/11

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
11I0180-09 [PGW-A]	B037051	1.00	10.0	09/09/11
11I0180-10 [PGW-B]	B037051	1.00	10.0	09/09/11

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 B037035 - SW-846 3540C										
Blank (B037035-BLK1)				Prepared: 09/09/11 Analyzed: 09/12/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*3.55*		mg/Kg	4.00		88.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*3.69*		mg/Kg	4.00		92.3	30-150			
Surrogate: Tetrachloro-m-xylene	*4.22*		mg/Kg	4.00		106	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.45*		mg/Kg	4.00		111	30-150			
LCS (B037035-BS1)				Prepared: 09/09/11 Analyzed: 09/12/11						
Aroclor-1016	4.2	0.20	mg/Kg	4.00		105	40-140			
Aroclor-1016 [2C]	4.3	0.20	mg/Kg	4.00		107	40-140			V-06
Aroclor-1260	4.2	0.20	mg/Kg	4.00		105	40-140			
Aroclor-1260 [2C]	4.3	0.20	mg/Kg	4.00		108	40-140			V-06
Surrogate: Decachlorobiphenyl	*4.74*		mg/Kg	4.00		119	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.95*		mg/Kg	4.00		124	30-150			
Surrogate: Tetrachloro-m-xylene	*4.38*		mg/Kg	4.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.60*		mg/Kg	4.00		115	30-150			
LCS Dup (B037035-BSD1)				Prepared: 09/09/11 Analyzed: 09/12/11						
Aroclor-1016	4.4	0.20	mg/Kg	4.00		110	40-140	4.32	30	
Aroclor-1016 [2C]	4.5	0.20	mg/Kg	4.00		113	40-140	4.82	30	V-06
Aroclor-1260	4.4	0.20	mg/Kg	4.00		111	40-140	5.79	30	
Aroclor-1260 [2C]	4.5	0.20	mg/Kg	4.00		114	40-140	5.46	30	V-06
Surrogate: Decachlorobiphenyl	*4.91*		mg/Kg	4.00		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*5.10*		mg/Kg	4.00		128	30-150			
Surrogate: Tetrachloro-m-xylene	*4.48*		mg/Kg	4.00		112	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*4.69*		mg/Kg	4.00		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 B037041 - SW-846 3540C										
Blank (B037041-BLK1)				Prepared: 09/10/11 Analyzed: 09/13/11						
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	*1.00*		mg/Kg	1.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.05*		mg/Kg	1.00		105	30-150			
LCS (B037041-BS1)				Prepared: 09/10/11 Analyzed: 09/13/11						
Aroclor-1016	0.28	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		116	40-140			
Aroclor-1260	0.24	0.10	mg/Kg	0.250		97.1	40-140			
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140			
Surrogate: Decachlorobiphenyl	*0.975*		mg/Kg	1.00		97.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.993*		mg/Kg	1.00		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.04*		mg/Kg	1.00		104	30-150			
LCS Dup (B037041-BSD1)				Prepared: 09/10/11 Analyzed: 09/13/11						
Aroclor-1016	0.30	0.10	mg/Kg	0.250		121	40-140	9.78	30	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140	0.380	30	
Aroclor-1260	0.27	0.10	mg/Kg	0.250		107	40-140	9.27	30	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		114	40-140	6.71	30	
Surrogate: Decachlorobiphenyl	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	*1.04*		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.07*		mg/Kg	1.00		107	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 B037051 - SW-846 3540C										
Blank (B037051-BLK1)				Prepared: 09/09/11 Analyzed: 09/11/11						
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	*1.74*		µg/Wipe	2.00		87.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.80*		µg/Wipe	2.00		90.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.70*		µg/Wipe	2.00		85.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.80*		µg/Wipe	2.00		89.8	30-150			
LCS (B037051-BS1)				Prepared: 09/09/11 Analyzed: 09/11/11						
Aroclor-1016	0.49	0.20	µg/Wipe	0.500		97.5	40-140			
Aroclor-1016 [2C]	0.53	0.20	µg/Wipe	0.500		106	40-140			
Aroclor-1260	0.50	0.20	µg/Wipe	0.500		100	40-140			
Aroclor-1260 [2C]	0.59	0.20	µg/Wipe	0.500		118	40-140			
Surrogate: Decachlorobiphenyl	*1.77*		µg/Wipe	2.00		88.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.84*		µg/Wipe	2.00		91.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.76*		µg/Wipe	2.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.87*		µg/Wipe	2.00		93.5	30-150			
LCS Dup (B037051-BSD1)				Prepared: 09/09/11 Analyzed: 09/11/11						
Aroclor-1016	0.50	0.20	µg/Wipe	0.500		99.3	40-140	1.84	30	
Aroclor-1016 [2C]	0.54	0.20	µg/Wipe	0.500		108	40-140	1.61	30	
Aroclor-1260	0.50	0.20	µg/Wipe	0.500		101	40-140	0.503	30	
Aroclor-1260 [2C]	0.59	0.20	µg/Wipe	0.500		118	40-140	0.0695	30	
Surrogate: Decachlorobiphenyl	*1.82*		µg/Wipe	2.00		91.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.89*		µg/Wipe	2.00		94.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.86*		µg/Wipe	2.00		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.97*		µg/Wipe	2.00		98.5	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 B037060 - SW-846 3540C										
Blank (B037060-BLK1)				Prepared: 09/10/11 Analyzed: 09/13/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*5.26*		mg/Kg	4.00		132	30-150			
Surrogate: Decachlorobiphenyl [2C]	*5.36*		mg/Kg	4.00		134	30-150			
Surrogate: Tetrachloro-m-xylene	*4.59*		mg/Kg	4.00		115	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*5.48*		mg/Kg	4.00		137	30-150			
LCS (B037060-BS1)				Prepared: 09/10/11 Analyzed: 09/13/11						
Aroclor-1016	4.3	0.20	mg/Kg	4.00		107	40-140			
Aroclor-1016 [2C]	4.9	0.20	mg/Kg	4.00		123	40-140			
Aroclor-1260	4.3	0.20	mg/Kg	4.00		108	40-140			
Aroclor-1260 [2C]	5.0	0.20	mg/Kg	4.00		124	40-140			
Surrogate: Decachlorobiphenyl	*4.83*		mg/Kg	4.00		121	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.92*		mg/Kg	4.00		123	30-150			
Surrogate: Tetrachloro-m-xylene	*4.55*		mg/Kg	4.00		114	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*5.44*		mg/Kg	4.00		136	30-150			
LCS Dup (B037060-BSD1)				Prepared: 09/10/11 Analyzed: 09/13/11						
Aroclor-1016	4.2	0.20	mg/Kg	4.00		106	40-140	1.42	30	
Aroclor-1016 [2C]	4.6	0.20	mg/Kg	4.00		116	40-140	6.00	30	
Aroclor-1260	4.4	0.20	mg/Kg	4.00		110	40-140	1.62	30	
Aroclor-1260 [2C]	5.1	0.20	mg/Kg	4.00		127	40-140	1.98	30	
Surrogate: Decachlorobiphenyl	*5.05*		mg/Kg	4.00		126	30-150			
Surrogate: Decachlorobiphenyl [2C]	*5.15*		mg/Kg	4.00		129	30-150			
Surrogate: Tetrachloro-m-xylene	*4.48*		mg/Kg	4.00		112	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*5.33*		mg/Kg	4.00		133	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 B037209 - SW-846 3540C										
Blank (B037209-BLK1)				Prepared: 09/13/11 Analyzed: 09/15/11						
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	*0.911*		mg/Kg	1.00		91.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.956*		mg/Kg	1.00		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.926*		mg/Kg	1.00		92.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.999*		mg/Kg	1.00		99.9	30-150			
LCS (B037209-BS1)				Prepared: 09/13/11 Analyzed: 09/15/11						
Aroclor-1016	0.24	0.10	mg/Kg	0.250		96.1	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1260	0.25	0.10	mg/Kg	0.250		98.2	40-140			
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140			
Surrogate: Decachlorobiphenyl	*0.922*		mg/Kg	1.00		92.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.970*		mg/Kg	1.00		97.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.935*		mg/Kg	1.00		93.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.01*		mg/Kg	1.00		101	30-150			
LCS Dup (B037209-BSD1)				Prepared: 09/13/11 Analyzed: 09/15/11						
Aroclor-1016	0.23	0.10	mg/Kg	0.250		93.1	40-140	3.18	30	
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		109	40-140	0.633	30	
Aroclor-1260	0.25	0.10	mg/Kg	0.250		98.4	40-140	0.175	30	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140	0.151	30	
Surrogate: Decachlorobiphenyl	*0.887*		mg/Kg	1.00		88.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.933*		mg/Kg	1.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.899*		mg/Kg	1.00		89.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.973*		mg/Kg	1.00		97.3	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.
RL-04	Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
S-02	The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

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 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

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	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

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

11I0180

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@atcassociates.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

									1										# of Containers
									None										** Preservation
									Other										***Container Code

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 (Soxhalet Ext.)
01	PDG-A	9/1/11	9/1/11		x	S	U	✓
02	PDB-A	9/1/11	9/1/11		x	S	U	✓
03	PDB-A1	9/1/11	9/1/11		x	S	U	✓
04	PDB-B	9/1/11	9/1/11		x	S	U	✓
05	PDB-C	9/1/11	9/1/11		x	S	U	✓
06	PBS-A	9/1/11	9/1/11		x	S	U	✓
07	PBS-A1	9/1/11	9/1/11		x	S	U	✓
08	PBS-C	9/1/11	9/1/11		x	S	U	✓
09	PGW-A	9/1/11	9/1/11		x	S	U	✓
10	PGW-B	9/1/11	9/1/11		x	S	U	✓

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) [signature]	Date/Time: 9/7/11 1250
Received by: (signature) Paul Racicot	Date/Time: 9-7-11 12:30
Relinquished by: (signature) Paul Racicot	Date/Time: 9/7/11 17:50
Received by: (signature) [signature] 3.7 9/7	Date/Time: 1750

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP 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 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.

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

39 Spruce Street
East longmeadow, MA 01028

11I0180

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhalet Ext.)										
11	GHDI	9/1/11	9/1/11		x	s	U	✓										
12	GHDE	9/1/11	9/1/11		x	s	U	✓										
13	GHI-A	9/1/11	9/1/11		x	s	U	✓										
14	GHWI-A Adj.	9/6/11	9/6/11		x	s	U	✓										
15	GHWI-A1 Adj.	9/6/11	9/6/11		x	s	U	✓										
16	GHWI-B Adj.	9/6/11	9/6/11		x	s	U	✓										
17	GHWE-A Adj.	9/6/11	9/6/11		x	s	U	✓										
18	GHWE-B Adj.	9/6/11	9/6/11		x	s	U	✓										
19	GHFI-A 6"	9/6/11	9/6/11		x	s	U	✓										

1 | None | Other
# of Containers
** Preservation
***Container Code

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) [signature]	Date/Time: 9/7/11 1230
Received by: (signature) [signature]	Date/Time: 9-7-11 12:30
Relinquished by: (signature) [signature]	Date/Time: 9-7-11 17:50
Received by: (signature) [signature] 3.7 9/7	Date/Time: 1750

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP 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 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.

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

39 Spruce Street
East longmeadow, MA 01028

11F0180

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhalet Ext.)										
20	GHFI-B 6"	9/6/11	9/6/11		x	s	U	✓										
21	FWCI-A Adj.	9/6/11	9/6/11		x	s	U	✓										
22	FWCI-B Adj.	9/6/11	9/6/11		x	s	U	✓										
23	FWCE-A Adj.	9/6/11	9/6/11		x	s	U	✓										
24	FWCE-B Adj.	9/6/11	9/6/11		x	s	U	✓										
25	FHCI Adj.	9/6/11	9/6/11		x	s	U	✓										
26	FHCE Adj.	9/6/11	9/6/11		x	s	U	✓										
27	FHWC-A Adj.	9/6/11	9/6/11		x	s	U	✓										
28	FHWC-B Adj.	9/6/11	9/6/11		x	s	U	✓										
29	FHPC-A	9/6/11	9/6/11		x	s	U	✓										

ANALYSIS REQUESTED

1	# of Containers
None	** Preservation
Other	***Container Code

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) [signature]	Date/Time: 9/7/11 1230
Received by: (signature) Paul Racicot	Date/Time: 9-7-11 12:30
Relinquished by: (signature) Paul Racicot 9-7-11	Date/Time: 17:50
Received by: (signature) Stacey Wyber 3.7 9/7	Date/Time: 1750

Turnaround ††
◉ 7-Day
☐ 10-Day
☐ Other ____

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA

NELAC & AIHA Certified
WBE/DBE Certified

†† 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.

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

39 Spruce Street
East longmeadow, MA 01028

11I0180

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhalet Ext.)										
30	FHSC-B	9/6/11	9/6/11		x	S	U	✓										
31	BHDI	9/1/11	9/1/11		x	S	U	✓										
32	BHDE	9/1/11	9/1/11		x	S	U	✓										

ANALYSIS REQUESTED

1											# of Containers
None											** Preservation
Other											***Container Code

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: 9/7/11 1230	
Received by: (signature) Paul Racicot	Date/Time: 9/7/11 1230	
Relinquished by: (signature) Paul Racicot 9-7-11	Date/Time: 17:50	
Received by: (signature) Stacy Nyberg 3.7 9/7	Date/Time: 1750	

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA Environmental Lead & Industrial Hygiene

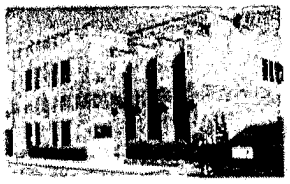
NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME 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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

con-test® ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: ATC Associates RECEIVED BY: SD DATE: 9/7/11

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

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 3.7

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) 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	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	33
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

Laboratory Comments: Recieved samples labeled PBD-B and PBD-C and on C.O.C. it says PDB-B and PDB-C. On C.O.C. says we have two PGW-A but we recieved PGW-A and PGW-B. C.O.C. says FHSC-A we have sample saying FHPC-A.

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) _____

Doc# 277

Rev. 1 Ma

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

October 5, 2011

Michael Gitten
ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801

Project Location: Southbridge Pool
Client Job Number:
Project Number: 060.29841.0002
Laboratory Work Order Number: 11I0990

Enclosed are results of analyses for samples received by the laboratory on September 28, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

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

ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Michael Gitten

REPORT DATE: 10/5/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 060.29841.0002

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11I0990

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

PROJECT LOCATION: Southbridge Pool

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PBS-D	11I0990-01	Caulk		SW-846 8082A	
GHWI-A 1 Block	11I0990-02	Product/Solid		SW-846 8082A	
GHWI-B 1 Block	11I0990-03	Product/Solid		SW-846 8082A	
GHFE-A 12ft	11I0990-04	Product/Solid		SW-846 8082A	
GHFE-B 12ft	11I0990-05	Product/Solid		SW-846 8082A	
GHFE-C 12ft	11I0990-06	Product/Solid		SW-846 8082A	
FWCI-B 1 Block	11I0990-07	Product/Solid		SW-846 8082A	
FWCE-A 1 Block	11I0990-08	Product/Solid		SW-846 8082A	
FWCE-B 1 Block	11I0990-09	Product/Solid		SW-846 8082A	
BHFI-A 12ft	11I0990-10	Product/Solid		SW-846 8082A	
BHFI-B 12ft	11I0990-11	Product/Solid		SW-846 8082A	
FHWC-A 1 Block	11I0990-12	Product/Solid		SW-846 8082A	
FHWC-B 1 Block	11I0990-13	Product/Solid		SW-846 8082A	
FHCI 1 Block	11I0990-14	Product/Solid		SW-846 8082A	
FHCE 1 Block	11I0990-15	Product/Solid		SW-846 8082A	

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 8082A

Qualifications:

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:

11I0990-01[PBS-D], 11I0990-02[GHWI-A 1 Block], 11I0990-03[GHWI-B 1 Block], 11I0990-04[GHFE-A 12ft], 11I0990-05[GHFE-B 12ft], 11I0990-06[GHFE-C 12ft], 11I0990-07[FWCI-B 1 Block], 11I0990-08[FWCE-A 1 Block], 11I0990-09[FWCE-B 1 Block], 11I0990-10[BHFI-A 12ft], 11I0990-11[BHFI-B 12ft], 11I0990-12[FHWC-A 1 Block], 11I0990-13[FHWC-B 1 Block], 11I0990-14[FHCI 1 Block], 11I0990-15[FHCE 1 Block]

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

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: PBS-D
Sampled: 9/1/2011 00:00

Sample ID: 11I0990-01

Sample Matrix: Caulk

Sample Flags: H-03

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/29/11	10/3/11 15:42	PJG
Aroclor-1221 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/29/11	10/3/11 15:42	PJG
Aroclor-1232 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/29/11	10/3/11 15:42	PJG
Aroclor-1242 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/29/11	10/3/11 15:42	PJG
Aroclor-1248 [2]	14	0.90	mg/Kg	5		SW-846 8082A	9/29/11	10/3/11 15:42	PJG
Aroclor-1254 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/29/11	10/3/11 15:42	PJG
Aroclor-1260 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/29/11	10/3/11 15:42	PJG
Aroclor-1262 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/29/11	10/3/11 15:42	PJG
Aroclor-1268 [1]	ND	0.90	mg/Kg	5		SW-846 8082A	9/29/11	10/3/11 15:42	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	76.4	30-150		10/3/11 15:42
Decachlorobiphenyl [2]	119	30-150		10/3/11 15:42
Tetrachloro-m-xylene [1]	113	30-150		10/3/11 15:42
Tetrachloro-m-xylene [2]	131	30-150		10/3/11 15:42

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: GHWI-A 1 Block | Sampled: 9/6/2011 00:00

Sample ID: 11I0990-02

Sample Matrix: Product/Solid

Sample Flags: H-03

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 8082A	9/29/11	9/30/11 21:00	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:00	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:00	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:00	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:00	PJG
Aroclor-1254 [1]	0.31	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:00	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:00	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:00	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:00	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	79.1	30-150		9/30/11 21:00
Decachlorobiphenyl [2]	75.7	30-150		9/30/11 21:00
Tetrachloro-m-xylene [1]	93.9	30-150		9/30/11 21:00
Tetrachloro-m-xylene [2]	86.0	30-150		9/30/11 21:00

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: GHWI-B 1 Block | Sampled: 9/6/2011 00:00

Sample ID: 11I0990-03

Sample Matrix: Product/Solid

Sample Flags: H-03

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 8082A	9/29/11	9/30/11 21:14	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:14	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:14	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:14	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:14	PJG
Aroclor-1254 [1]	0.96	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:14	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:14	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:14	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:14	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	91.2	30-150		9/30/11 21:14
Decachlorobiphenyl [2]	87.2	30-150		9/30/11 21:14
Tetrachloro-m-xylene [1]	98.1	30-150		9/30/11 21:14
Tetrachloro-m-xylene [2]	90.1	30-150		9/30/11 21:14

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: GHFE-A 12ft | Sampled: 9/9/2011 00:00

Sample ID: 11I0990-04

Sample Matrix: Product/Solid

Sample Flags: H-03

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 8082A	9/29/11	9/30/11 21:28	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:28	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:28	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:28	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:28	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:28	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:28	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:28	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:28	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	81.2	30-150		9/30/11 21:28
Decachlorobiphenyl [2]	81.3	30-150		9/30/11 21:28
Tetrachloro-m-xylene [1]	97.1	30-150		9/30/11 21:28
Tetrachloro-m-xylene [2]	88.8	30-150		9/30/11 21:28

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: GHFE-B 12ft | Sampled: 9/9/2011 00:00

Sample ID: 11I0990-05

Sample Matrix: Product/Solid

Sample Flags: H-03

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 8082A	9/29/11	9/30/11 21:41	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:41	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:41	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:41	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:41	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:41	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:41	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:41	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:41	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.1	30-150		9/30/11 21:41
Decachlorobiphenyl [2]	91.0	30-150		9/30/11 21:41
Tetrachloro-m-xylene [1]	97.4	30-150		9/30/11 21:41
Tetrachloro-m-xylene [2]	89.5	30-150		9/30/11 21:41

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: GHFE-C 12ft | Sampled: 9/9/2011 00:00

Sample ID: 11I0990-06

Sample Matrix: Product/Solid

Sample Flags: H-03

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 8082A	9/29/11	9/30/11 21:55	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:55	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:55	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:55	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:55	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:55	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:55	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:55	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 21:55	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	90.3	30-150		9/30/11 21:55
Decachlorobiphenyl [2]	86.6	30-150		9/30/11 21:55
Tetrachloro-m-xylene [1]	97.9	30-150		9/30/11 21:55
Tetrachloro-m-xylene [2]	89.7	30-150		9/30/11 21:55

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: FWCI-B 1 Block | Sampled: 9/6/2011 00:00

Sample ID: 11I0990-07

Sample Matrix: Product/Solid

Sample Flags: H-03

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 8082A	9/29/11	9/30/11 22:09	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:09	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:09	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:09	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:09	PJG
Aroclor-1254 [1]	0.37	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:09	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:09	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:09	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:09	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.6	30-150		9/30/11 22:09
Decachlorobiphenyl [2]	83.9	30-150		9/30/11 22:09
Tetrachloro-m-xylene [1]	97.6	30-150		9/30/11 22:09
Tetrachloro-m-xylene [2]	89.2	30-150		9/30/11 22:09

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: FWCE-A 1 Block | Sampled: 9/6/2011 00:00

Sample ID: 11I0990-08

Sample Matrix: Product/Solid

Sample Flags: H-03

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 8082A	9/29/11	9/30/11 22:23	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:23	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:23	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:23	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:23	PJG
Aroclor-1254 [1]	0.23	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:23	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:23	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:23	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:23	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.0	30-150		9/30/11 22:23
Decachlorobiphenyl [2]	82.9	30-150		9/30/11 22:23
Tetrachloro-m-xylene [1]	93.9	30-150		9/30/11 22:23
Tetrachloro-m-xylene [2]	86.2	30-150		9/30/11 22:23

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: FWCE-B 1 Block | Sampled: 9/6/2011 00:00

Sample ID: 11I0990-09

Sample Matrix: Product/Solid

Sample Flags: H-03

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 8082A	9/29/11	9/30/11 22:37	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:37	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:37	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:37	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:37	PJG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:37	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:37	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:37	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 22:37	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.7	30-150		9/30/11 22:37
Decachlorobiphenyl [2]	83.4	30-150		9/30/11 22:37
Tetrachloro-m-xylene [1]	97.5	30-150		9/30/11 22:37
Tetrachloro-m-xylene [2]	89.0	30-150		9/30/11 22:37

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: BHFI-A 12ft | Sampled: 9/9/2011 00:00

Sample ID: 11I0990-10

Sample Matrix: Product/Solid

Sample Flags: H-03

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/29/11	10/1/11 11:37	PJG
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/29/11	10/1/11 11:37	PJG
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/29/11	10/1/11 11:37	PJG
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/29/11	10/1/11 11:37	PJG
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/29/11	10/1/11 11:37	PJG
Aroclor-1254 [1]	2.3	0.48	mg/Kg	5		SW-846 8082A	9/29/11	10/1/11 11:37	PJG
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/29/11	10/1/11 11:37	PJG
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/29/11	10/1/11 11:37	PJG
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	9/29/11	10/1/11 11:37	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.2	30-150		10/1/11 11:37
Decachlorobiphenyl [2]	90.5	30-150		10/1/11 11:37
Tetrachloro-m-xylene [1]	98.6	30-150		10/1/11 11:37
Tetrachloro-m-xylene [2]	95.5	30-150		10/1/11 11:37

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: BHFI-B 12ft | Sampled: 9/6/2011 00:00

Sample ID: 11I0990-11

Sample Matrix: Product/Solid

Sample Flags: H-03

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:33	PJG
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:33	PJG
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:33	PJG
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:33	PJG
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:33	PJG
Aroclor-1254 [2]	0.26	0.087	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:33	PJG
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:33	PJG
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:33	PJG
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:33	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	83.5	30-150		9/30/11 23:33
Decachlorobiphenyl [2]	79.8	30-150		9/30/11 23:33
Tetrachloro-m-xylene [1]	95.5	30-150		9/30/11 23:33
Tetrachloro-m-xylene [2]	87.9	30-150		9/30/11 23:33

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: FHWC-A 1 Block | Sampled: 9/6/2011 00:00

Sample ID: 11I0990-12

Sample Matrix: Product/Solid

Sample Flags: H-03

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 8082A	9/29/11	9/30/11 23:47	PJG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:47	PJG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:47	PJG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:47	PJG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:47	PJG
Aroclor-1254 [1]	0.39	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:47	PJG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:47	PJG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:47	PJG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	9/29/11	9/30/11 23:47	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.7	30-150		9/30/11 23:47
Decachlorobiphenyl [2]	84.4	30-150		9/30/11 23:47
Tetrachloro-m-xylene [1]	98.8	30-150		9/30/11 23:47
Tetrachloro-m-xylene [2]	90.6	30-150		9/30/11 23:47

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: FHWC-B 1 Block | Sampled: 9/6/2011 00:00

Sample ID: 11I0990-13

Sample Matrix: Product/Solid

Sample Flags: H-03

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 8082A	9/29/11	10/1/11 0:01	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:01	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:01	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:01	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:01	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:01	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:01	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:01	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:01	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	88.0	30-150		10/1/11 0:01
Decachlorobiphenyl [2]	84.8	30-150		10/1/11 0:01
Tetrachloro-m-xylene [1]	94.2	30-150		10/1/11 0:01
Tetrachloro-m-xylene [2]	86.4	30-150		10/1/11 0:01

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: FHCI 1 Block | Sampled: 9/6/2011 00:00

Sample ID: 11I0990-14

Sample Matrix: Product/Solid

Sample Flags: H-03

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 8082A	9/29/11	10/1/11 0:15	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:15	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:15	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:15	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:15	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:15	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:15	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:15	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:15	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	87.4	30-150		10/1/11 0:15
Decachlorobiphenyl [2]	83.2	30-150		10/1/11 0:15
Tetrachloro-m-xylene [1]	98.1	30-150		10/1/11 0:15
Tetrachloro-m-xylene [2]	89.7	30-150		10/1/11 0:15

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11I0990

Date Received: 9/28/2011

Field Sample #: FHCE 1 Block | Sampled: 9/6/2011 00:00

Sample ID: 11I0990-15

Sample Matrix: Product/Solid

Sample Flags: H-03

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 8082A	9/29/11	10/1/11 0:29	PJG
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:29	PJG
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:29	PJG
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:29	PJG
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:29	PJG
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:29	PJG
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:29	PJG
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:29	PJG
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	9/29/11	10/1/11 0:29	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	89.6	30-150		10/1/11 0:29
Decachlorobiphenyl [2]	85.5	30-150		10/1/11 0:29
Tetrachloro-m-xylene [1]	98.0	30-150		10/1/11 0:29
Tetrachloro-m-xylene [2]	89.7	30-150		10/1/11 0:29

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 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I0990-01 [PBS-D]	B038259	0.557	10.0	09/29/11

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11I0990-02 [GHWI-A 1 Block]	B038238	2.00	10.0	09/29/11
11I0990-03 [GHWI-B 1 Block]	B038238	2.10	10.0	09/29/11
11I0990-04 [GHFE-A 12ft]	B038238	2.00	10.0	09/29/11
11I0990-05 [GHFE-B 12ft]	B038238	2.20	10.0	09/29/11
11I0990-06 [GHFE-C 12ft]	B038238	2.00	10.0	09/29/11
11I0990-07 [FWCI-B 1 Block]	B038238	2.00	10.0	09/29/11
11I0990-08 [FWCE-A 1 Block]	B038238	2.20	10.0	09/29/11
11I0990-09 [FWCE-B 1 Block]	B038238	2.10	10.0	09/29/11
11I0990-10 [BHFI-A 12ft]	B038238	2.10	10.0	09/29/11
11I0990-11 [BHFI-B 12ft]	B038238	2.30	10.0	09/29/11
11I0990-12 [FHWC-A 1 Block]	B038238	2.10	10.0	09/29/11
11I0990-13 [FHWC-B 1 Block]	B038238	2.00	10.0	09/29/11
11I0990-14 [FHCI 1 Block]	B038238	2.20	10.0	09/29/11
11I0990-15 [FHCE 1 Block]	B038238	2.20	10.0	09/29/11

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 B038238 - SW-846 3540C										
Blank (B038238-BLK1)				Prepared: 09/29/11 Analyzed: 09/30/11						
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	*0.782*		mg/Kg	1.00		78.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.757*		mg/Kg	1.00		75.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.973*		mg/Kg	1.00		97.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.895*		mg/Kg	1.00		89.5	30-150			
LCS (B038238-BS1)				Prepared: 09/29/11 Analyzed: 09/30/11						
Aroclor-1016	0.25	0.10	mg/Kg	0.250		99.0	40-140			
Aroclor-1016 [2C]	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1260	0.24	0.10	mg/Kg	0.250		96.2	40-140			
Aroclor-1260 [2C]	0.22	0.10	mg/Kg	0.250		87.9	40-140			
Surrogate: Decachlorobiphenyl	*0.873*		mg/Kg	1.00		87.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.836*		mg/Kg	1.00		83.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.972*		mg/Kg	1.00		97.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.894*		mg/Kg	1.00		89.4	30-150			
LCS Dup (B038238-BSD1)				Prepared: 09/29/11 Analyzed: 09/30/11						
Aroclor-1016	0.28	0.10	mg/Kg	0.250		110	40-140	10.6	30	
Aroclor-1016 [2C]	0.30	0.10	mg/Kg	0.250		119	40-140	10.3	30	
Aroclor-1260	0.25	0.10	mg/Kg	0.250		100	40-140	4.25	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg	0.250		92.1	40-140	4.64	30	
Surrogate: Decachlorobiphenyl	*0.873*		mg/Kg	1.00		87.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.845*		mg/Kg	1.00		84.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.03*		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.956*		mg/Kg	1.00		95.6	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 B038259 - SW-846 3540C										
Blank (B038259-BLK1)				Prepared: 09/29/11 Analyzed: 10/03/11						
Aroclor-1016	ND	0.20	mg/Kg							
Aroclor-1016 [2C]	ND	0.20	mg/Kg							
Aroclor-1221	ND	0.20	mg/Kg							
Aroclor-1221 [2C]	ND	0.20	mg/Kg							
Aroclor-1232	ND	0.20	mg/Kg							
Aroclor-1232 [2C]	ND	0.20	mg/Kg							
Aroclor-1242	ND	0.20	mg/Kg							
Aroclor-1242 [2C]	ND	0.20	mg/Kg							
Aroclor-1248	ND	0.20	mg/Kg							
Aroclor-1248 [2C]	ND	0.20	mg/Kg							
Aroclor-1254	ND	0.20	mg/Kg							
Aroclor-1254 [2C]	ND	0.20	mg/Kg							
Aroclor-1260	ND	0.20	mg/Kg							
Aroclor-1260 [2C]	ND	0.20	mg/Kg							
Aroclor-1262	ND	0.20	mg/Kg							
Aroclor-1262 [2C]	ND	0.20	mg/Kg							
Aroclor-1268	ND	0.20	mg/Kg							
Aroclor-1268 [2C]	ND	0.20	mg/Kg							
Surrogate: Decachlorobiphenyl	*2.76*		mg/Kg	4.00		68.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.88*		mg/Kg	4.00		72.1	30-150			
Surrogate: Tetrachloro-m-xylene	*3.77*		mg/Kg	4.00		94.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.79*		mg/Kg	4.00		94.7	30-150			
LCS (B038259-BS1)				Prepared: 09/29/11 Analyzed: 10/03/11						
Aroclor-1016	3.4	0.20	mg/Kg	4.00		86.0	40-140			
Aroclor-1016 [2C]	3.0	0.20	mg/Kg	4.00		74.8	40-140			
Aroclor-1260	2.8	0.20	mg/Kg	4.00		71.0	40-140			
Aroclor-1260 [2C]	2.8	0.20	mg/Kg	4.00		71.2	40-140			
Surrogate: Decachlorobiphenyl	*2.74*		mg/Kg	4.00		68.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.88*		mg/Kg	4.00		71.9	30-150			
Surrogate: Tetrachloro-m-xylene	*3.57*		mg/Kg	4.00		89.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.39*		mg/Kg	4.00		84.8	30-150			
LCS Dup (B038259-BSD1)				Prepared: 09/29/11 Analyzed: 10/03/11						
Aroclor-1016	3.7	0.20	mg/Kg	4.00		93.4	40-140	8.27	30	
Aroclor-1016 [2C]	3.3	0.20	mg/Kg	4.00		82.1	40-140	9.33	30	
Aroclor-1260	3.6	0.20	mg/Kg	4.00		90.6	40-140	24.3	30	
Aroclor-1260 [2C]	3.7	0.20	mg/Kg	4.00		91.6	40-140	25.1	30	
Surrogate: Decachlorobiphenyl	*3.95*		mg/Kg	4.00		98.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*4.16*		mg/Kg	4.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	*3.49*		mg/Kg	4.00		87.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*3.32*		mg/Kg	4.00		82.9	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-03	Sample received after recommended holding time was exceeded.

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 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

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	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2011
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

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

Page 1 of 2

11I 0990

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhalet Ext.)										
	PBS-D	9/1/11	9/1/11		x	s	U	✓										
	GHWI-A 1 Block	9/6/11	9/6/11		x	s	U	✓										
	GHW1-B 1 Block	9/6/11	9/6/11		x	s	U	✓										
	GHFE-A 12"	9/911	9/911		x	s	U	✓										
	GHFE-B 12"	9/911	9/911		x	s	U	✓										
	GHFE-C 12"	9/911	9/911		x	s	U	✓										
	FWCI-B 1 Block	9/6/11	9/6/11		x	s	U	✓										
	FWCE-A 1 Block	9/6/11	9/6/11		x	s	U	✓										
	FWCE-B 1 Block	9/6/11	9/6/11		x	s	U	✓										
	BHFI-A 12"	9/9/11	9/9/11			s	U	✓										

# of Containers	1																					
** Preservation	None																					
***Container Code	Other																					

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_____

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

Comments:
5 Day TAT

Relinquished by: (signature)	Date/Time: 9/28/11 1103	
Received by: (signature)	Date/Time: 9/28/11 1103	
Relinquished by: (signature)	Date/Time: 9/28/11	
Received by: (signature) 19.0° 1715	Date/Time: 9/28/11	

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP 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 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.

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

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 2

11I 0990

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhalet Ext.)										
	BHFI-B 12"	9/6/11	9/6/11		x	S	U	✓										
	FHWC-A 1 Block	9/6/11	9/6/11		x	S	U	✓										
	FHWC-B 1 Block	9/6/11	9/6/11		x	S	U	✓										
	FHCI 1 Block	9/6/11	9/6/11		x	S	U	✓										
	FHCE 1 Block	9/6/11	9/6/11		x	S	U	✓										

ANALYSIS REQUESTED

1	# of Containers
None	** Preservation
Other	***Container Code

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_____

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

Comments:
5 Day TAT

Relinquished by: (signature)	Date/Time: 9/08/11 1105
Received by: (signature)	Date/Time: 9/20/11 1107
Relinquished by: (signature)	Date/Time: 9/21/11 1525
Received by: (signature) 19.0° 1715	Date/Time: 9/28/11

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

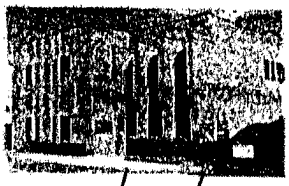
ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA Environmental Lead & Industrial Hygiene
NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME 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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: ATC RECEIVED BY: CEC DATE: 9/28/11

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

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 19.0°C

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) 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	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	15
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

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 _____

Doc# 277

Rev. 1 May 2011

ANALYTICAL REPORT

Lab Number:	L1105943
Client:	Nobis Engineering Inc. 585 Middlesex St Lowell, MA 01851
ATTN:	Jim Doherty
Phone:	(978) 683-0891
Project Name:	SOUTHBRIDGE POOL
Project Number:	Not Specified
Report Date:	05/09/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1105943-01	PSC-2	RANDOLPH ST., SOUTHBRIDGE	04/29/11 15:00
L1105943-02	PBS-7	RANDOLPH ST., SOUTHBRIDGE	04/29/11 15:50
L1105943-03	PDB-18	RANDOLPH ST., SOUTHBRIDGE	04/29/11 16:50
L1105943-04	PBS-1	RANDOLPH ST., SOUTHBRIDGE	04/29/11 15:20
L1105943-05	PBS-6	RANDOLPH ST., SOUTHBRIDGE	04/29/11 15:40
L1105943-06	PBS-3	RANDOLPH ST., SOUTHBRIDGE	04/29/11 15:30
L1105943-07	PDG-2	RANDOLPH ST., SOUTHBRIDGE	04/29/11 17:00
L1105943-08	PDB-8	RANDOLPH ST., SOUTHBRIDGE	04/29/11 16:20
L1105943-09	PDB-1	RANDOLPH ST., SOUTHBRIDGE	04/29/11 16:00
L1105943-10	PDB-14	RANDOLPH ST., SOUTHBRIDGE	04/29/11 16:40
L1105943-11	PDB-11	RANDOLPH ST., SOUTHBRIDGE	04/29/11 16:35
L1105943-12	PDG-4	RANDOLPH ST., SOUTHBRIDGE	04/29/11 17:10
L1105943-13	PSC-4	RANDOLPH ST., SOUTHBRIDGE	04/29/11 15:10
L1105943-14	PDG-3	RANDOLPH ST., SOUTHBRIDGE	04/29/11 17:05
L1105943-15	PSC-5	RANDOLPH ST., SOUTHBRIDGE	04/29/11 16:45
L1105943-16	PCB-14	RANDOLPH ST., SOUTHBRIDGE	04/29/11 16:40
L1105943-17	PDB-10	RANDOLPH ST., SOUTHBRIDGE	04/29/11 16:30
L1105943-18	PDB-4	RANDOLPH ST., SOUTHBRIDGE	04/29/11 16:10

Project Name: SOUTHBRIDGE POOL **Lab Number:** L1105943
Project Number: Not Specified **Report Date:** 05/09/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

The samples were received at the laboratory above the required temperature range. The samples were delivered directly from the sampling site but were not on ice.

The samples were received in inappropriate containers for the analysis of PCBs.

PCB

L1105943-01, -09, -13, -15, and -16 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1105943-02, -04, -05, -08, and -11 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

Project Name: SOUTHBRIDGE POOL **Lab Number:** L1105943
Project Number: Not Specified **Report Date:** 05/09/11

Case Narrative (continued)

L1105943-03 and -06 have elevated detection limits due to the dilutions required by the matrix interferences encountered during the concentration of the samples and the analytical dilutions required by the target compounds present in the samples.

L1105943-10 has elevated detection limits due to limited sample volume available for analysis.

L1105943-12 has elevated detection limits due to the dilution required by the sample matrix.

The surrogate recoveries for L1105943-01, -03, -06, -08, -12, -13, -15, and -16 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all at 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

The WG465676-1 Method Blank, associated with L1105943-01, -06, -09, -10, -13, -15, and -16, has a concentration above the reporting limit for Aroclor 1254. Since the associated sample concentrations are greater than 10x the blank concentration for this analyte, no qualification of the results was performed.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 05/09/11

ORGANICS

PCBS

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-01 D	Date Collected:	04/29/11 15:00
Client ID:	PSC-2	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 13:50
Analytical Date:	05/06/11 13:44	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	1240	--	20
Aroclor 1221	ND		ug/kg	1240	--	20
Aroclor 1232	ND		ug/kg	1240	--	20
Aroclor 1242	ND		ug/kg	1240	--	20
Aroclor 1248	ND		ug/kg	826	--	20
Aroclor 1254	16800		ug/kg	1240	--	20
Aroclor 1260	ND		ug/kg	826	--	20
Aroclor 1262	ND		ug/kg	413	--	20
Aroclor 1268	ND		ug/kg	413	--	20

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified
Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-02	Date Collected:	04/29/11 15:50
Client ID:	PBS-7	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/06/11 15:59
Analytical Date:	05/09/11 11:56	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/08/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/08/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	199	--	2
Aroclor 1221	ND		ug/kg	199	--	2
Aroclor 1232	ND		ug/kg	199	--	2
Aroclor 1242	ND		ug/kg	199	--	2
Aroclor 1248	ND		ug/kg	132	--	2
Aroclor 1254	ND		ug/kg	199	--	2
Aroclor 1260	ND		ug/kg	132	--	2
Aroclor 1262	ND		ug/kg	66.2	--	2
Aroclor 1268	ND		ug/kg	66.2	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	37		30-150
Decachlorobiphenyl	43		30-150
2,4,5,6-Tetrachloro-m-xylene	43		30-150
Decachlorobiphenyl	32		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-03 D	Date Collected:	04/29/11 16:50
Client ID:	PDB-18	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 13:50
Analytical Date:	05/06/11 01:58	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	563	--	10
Aroclor 1221	ND		ug/kg	563	--	10
Aroclor 1232	ND		ug/kg	563	--	10
Aroclor 1242	ND		ug/kg	563	--	10
Aroclor 1248	ND		ug/kg	375	--	10
Aroclor 1260	ND		ug/kg	375	--	10
Aroclor 1262	ND		ug/kg	188	--	10
Aroclor 1268	ND		ug/kg	188	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-03 D	Date Collected:	04/29/11 16:50
Client ID:	PDB-18	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 13:50
Analytical Date:	05/06/11 01:58	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1254	925	B	ug/kg	563	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified
Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-04	Date Collected:	04/29/11 15:20
Client ID:	PBS-1	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/06/11 15:59
Analytical Date:	05/09/11 12:08	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/08/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/08/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	119	--	2
Aroclor 1221	ND		ug/kg	119	--	2
Aroclor 1232	ND		ug/kg	119	--	2
Aroclor 1242	ND		ug/kg	119	--	2
Aroclor 1248	ND		ug/kg	79.4	--	2
Aroclor 1254	1370		ug/kg	119	--	2
Aroclor 1260	ND		ug/kg	79.4	--	2
Aroclor 1262	ND		ug/kg	39.7	--	2
Aroclor 1268	ND		ug/kg	39.7	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	36		30-150
Decachlorobiphenyl	47		30-150
2,4,5,6-Tetrachloro-m-xylene	36		30-150
Decachlorobiphenyl	35		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified
Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-05	Date Collected:	04/29/11 15:40
Client ID:	PBS-6	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/06/11 15:59
Analytical Date:	05/09/11 12:21	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/08/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/08/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	279	--	2
Aroclor 1221	ND		ug/kg	279	--	2
Aroclor 1232	ND		ug/kg	279	--	2
Aroclor 1242	ND		ug/kg	279	--	2
Aroclor 1248	ND		ug/kg	186	--	2
Aroclor 1254	ND		ug/kg	279	--	2
Aroclor 1260	ND		ug/kg	186	--	2
Aroclor 1262	ND		ug/kg	93.0	--	2
Aroclor 1268	ND		ug/kg	93.0	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	51		30-150
Decachlorobiphenyl	98		30-150
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	61		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-06 D	Date Collected:	04/29/11 15:30
Client ID:	PBS-3	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 13:50
Analytical Date:	05/06/11 02:38	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/04/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/04/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	638	--	10
Aroclor 1221	ND		ug/kg	638	--	10
Aroclor 1232	ND		ug/kg	638	--	10
Aroclor 1242	ND		ug/kg	638	--	10
Aroclor 1248	ND		ug/kg	426	--	10
Aroclor 1254	ND		ug/kg	638	--	10
Aroclor 1260	ND		ug/kg	426	--	10
Aroclor 1262	ND		ug/kg	213	--	10
Aroclor 1268	ND		ug/kg	213	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-07	Date Collected:	04/29/11 17:00
Client ID:	PDG-2	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/06/11 15:59
Analytical Date:	05/09/11 12:33	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/08/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/08/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	140	--	1
Aroclor 1221	ND		ug/kg	140	--	1
Aroclor 1232	ND		ug/kg	140	--	1
Aroclor 1242	ND		ug/kg	140	--	1
Aroclor 1248	ND		ug/kg	93.0	--	1
Aroclor 1254	ND		ug/kg	140	--	1
Aroclor 1260	ND		ug/kg	93.0	--	1
Aroclor 1262	ND		ug/kg	46.5	--	1
Aroclor 1268	ND		ug/kg	46.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	70		30-150
Decachlorobiphenyl	99		30-150
2,4,5,6-Tetrachloro-m-xylene	78		30-150
Decachlorobiphenyl	131		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified
Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-08	Date Collected:	04/29/11 16:20
Client ID:	PDB-8	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/06/11 15:59
Analytical Date:	05/09/11 12:45	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/08/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/08/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	1480	--	10
Aroclor 1221	ND		ug/kg	1480	--	10
Aroclor 1232	ND		ug/kg	1480	--	10
Aroclor 1242	ND		ug/kg	1480	--	10
Aroclor 1248	ND		ug/kg	985	--	10
Aroclor 1254	ND		ug/kg	1480	--	10
Aroclor 1260	ND		ug/kg	985	--	10
Aroclor 1262	ND		ug/kg	493	--	10
Aroclor 1268	ND		ug/kg	493	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-09 D	Date Collected:	04/29/11 16:00
Client ID:	PDB-1	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 13:50
Analytical Date:	05/06/11 03:31	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	346	--	5
Aroclor 1221	ND		ug/kg	346	--	5
Aroclor 1232	ND		ug/kg	346	--	5
Aroclor 1242	ND		ug/kg	346	--	5
Aroclor 1248	ND		ug/kg	231	--	5
Aroclor 1254	3080		ug/kg	346	--	5
Aroclor 1260	ND		ug/kg	231	--	5
Aroclor 1262	ND		ug/kg	115	--	5
Aroclor 1268	ND		ug/kg	115	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	54		30-150
Decachlorobiphenyl	68		30-150
2,4,5,6-Tetrachloro-m-xylene	55		30-150
Decachlorobiphenyl	34		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-10	Date Collected:	04/29/11 16:40
Client ID:	PDB-14	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 13:50
Analytical Date:	05/06/11 03:18	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	3000	--	1
Aroclor 1221	ND		ug/kg	3000	--	1
Aroclor 1232	ND		ug/kg	3000	--	1
Aroclor 1242	ND		ug/kg	3000	--	1
Aroclor 1248	ND		ug/kg	2000	--	1
Aroclor 1254	7420		ug/kg	3000	--	1
Aroclor 1260	ND		ug/kg	2000	--	1
Aroclor 1262	ND		ug/kg	1000	--	1
Aroclor 1268	ND		ug/kg	1000	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	50		30-150
Decachlorobiphenyl	57		30-150
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	70		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified
Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-11	Date Collected:	04/29/11 16:35
Client ID:	PDB-11	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/06/11 15:59
Analytical Date:	05/09/11 12:57	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/08/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/08/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	1200	--	5
Aroclor 1221	ND		ug/kg	1200	--	5
Aroclor 1232	ND		ug/kg	1200	--	5
Aroclor 1242	ND		ug/kg	1200	--	5
Aroclor 1248	ND		ug/kg	800	--	5
Aroclor 1254	ND		ug/kg	1200	--	5
Aroclor 1260	ND		ug/kg	800	--	5
Aroclor 1262	ND		ug/kg	400	--	5
Aroclor 1268	ND		ug/kg	400	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	81		30-150
Decachlorobiphenyl	92		30-150
2,4,5,6-Tetrachloro-m-xylene	83		30-150
Decachlorobiphenyl	84		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-12 D	Date Collected:	04/29/11 17:10
Client ID:	PDG-4	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/06/11 15:59
Analytical Date:	05/09/11 14:40	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/08/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/08/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	11800	--	100
Aroclor 1221	ND		ug/kg	11800	--	100
Aroclor 1232	ND		ug/kg	11800	--	100
Aroclor 1242	ND		ug/kg	11800	--	100
Aroclor 1248	ND		ug/kg	7900	--	100
Aroclor 1254	ND		ug/kg	11800	--	100
Aroclor 1260	ND		ug/kg	7900	--	100
Aroclor 1262	ND		ug/kg	3950	--	100
Aroclor 1268	ND		ug/kg	3950	--	100

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-13 D	Date Collected:	04/29/11 15:10
Client ID:	PSC-4	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 13:50
Analytical Date:	05/06/11 12:43	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/04/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/04/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	5900000	--	100000
Aroclor 1221	ND		ug/kg	5900000	--	100000
Aroclor 1232	ND		ug/kg	5900000	--	100000
Aroclor 1242	ND		ug/kg	5900000	--	100000
Aroclor 1248	ND		ug/kg	3940000	--	100000
Aroclor 1260	ND		ug/kg	3940000	--	100000
Aroclor 1262	ND		ug/kg	1970000	--	100000
Aroclor 1268	ND		ug/kg	1970000	--	100000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified
Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-13 D	Date Collected:	04/29/11 15:10
Client ID:	PSC-4	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 13:50
Analytical Date:	05/06/11 12:43	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/04/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/04/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1254	27100000		ug/kg	5900000	--	100000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-14	Date Collected:	04/29/11 17:05
Client ID:	PDG-3	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/06/11 15:59
Analytical Date:	05/09/11 13:22	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/08/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/08/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	65.1	--	1
Aroclor 1221	ND		ug/kg	65.1	--	1
Aroclor 1232	ND		ug/kg	65.1	--	1
Aroclor 1242	ND		ug/kg	65.1	--	1
Aroclor 1248	ND		ug/kg	43.4	--	1
Aroclor 1254	ND		ug/kg	65.1	--	1
Aroclor 1260	ND		ug/kg	43.4	--	1
Aroclor 1262	ND		ug/kg	21.7	--	1
Aroclor 1268	ND		ug/kg	21.7	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	67		30-150
Decachlorobiphenyl	113		30-150
2,4,5,6-Tetrachloro-m-xylene	62		30-150
Decachlorobiphenyl	70		30-150

Project Name: SOUTHBRIDGE POOL **Lab Number:** L1105943

Project Number: Not Specified **Report Date:** 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-15 D	Date Collected:	04/29/11 16:45
Client ID:	PSC-5	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 13:50
Analytical Date:	05/06/11 12:56	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	5850000	--	100000
Aroclor 1221	ND		ug/kg	5850000	--	100000
Aroclor 1232	ND		ug/kg	5850000	--	100000
Aroclor 1242	ND		ug/kg	5850000	--	100000
Aroclor 1248	ND		ug/kg	3900000	--	100000
Aroclor 1260	ND		ug/kg	3900000	--	100000
Aroclor 1262	ND		ug/kg	1950000	--	100000
Aroclor 1268	ND		ug/kg	1950000	--	100000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-15 D	Date Collected:	04/29/11 16:45
Client ID:	PSC-5	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 13:50
Analytical Date:	05/06/11 12:56	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1254	32200000		ug/kg	5850000	--	100000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL **Lab Number:** L1105943

Project Number: Not Specified **Report Date:** 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-16 D	Date Collected:	04/29/11 16:40
Client ID:	PCB-14	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 13:50
Analytical Date:	05/06/11 11:49	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	599	--	10
Aroclor 1221	ND		ug/kg	599	--	10
Aroclor 1232	ND		ug/kg	599	--	10
Aroclor 1242	ND		ug/kg	599	--	10
Aroclor 1248	ND		ug/kg	399	--	10
Aroclor 1260	ND		ug/kg	399	--	10
Aroclor 1262	ND		ug/kg	200	--	10
Aroclor 1268	ND		ug/kg	200	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

SAMPLE RESULTS

Lab ID:	L1105943-16 D	Date Collected:	04/29/11 16:40
Client ID:	PCB-14	Date Received:	04/29/11
Sample Location:	RANDOLPH ST., SOUTHBRIDGE	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 13:50
Analytical Date:	05/06/11 11:49	Cleanup Method1:	EPA 3665A
Analyst:	SS	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1254	5400		ug/kg	599	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL

Project Number: Not Specified

Lab Number: L1105943

Report Date: 05/09/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/06/11 11:35
Analyst: SS

Extraction Method: EPA 3540C
Extraction Date: 05/02/11 13:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/03/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/03/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB by GC - Westborough Lab for sample(s): 01,06,09,13,15-16 Batch: WG465676-1					
Aroclor 1016	ND		ug/kg	65.2	--
Aroclor 1221	ND		ug/kg	65.2	--
Aroclor 1232	ND		ug/kg	65.2	--
Aroclor 1242	ND		ug/kg	65.2	--
Aroclor 1248	ND		ug/kg	43.5	--
Aroclor 1254	325		ug/kg	65.2	--
Aroclor 1260	ND		ug/kg	43.5	--
Aroclor 1262	ND		ug/kg	21.7	--
Aroclor 1268	ND		ug/kg	21.7	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	53		30-150
Decachlorobiphenyl	71		30-150
2,4,5,6-Tetrachloro-m-xylene	70		30-150
Decachlorobiphenyl	87		30-150

Project Name: SOUTHBRIDGE POOL

Project Number: Not Specified

Lab Number: L1105943

Report Date: 05/09/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/09/11 11:19
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/06/11 13:20
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/08/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/08/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB by GC - Westborough Lab for sample(s): 02-05,07-08,10-12,14 Batch: WG466571-1					
Aroclor 1016	ND		ug/kg	53.3	--
Aroclor 1221	ND		ug/kg	53.3	--
Aroclor 1232	ND		ug/kg	53.3	--
Aroclor 1242	ND		ug/kg	53.3	--
Aroclor 1248	ND		ug/kg	35.5	--
Aroclor 1254	ND		ug/kg	53.3	--
Aroclor 1260	ND		ug/kg	35.5	--
Aroclor 1262	ND		ug/kg	17.8	--
Aroclor 1268	ND		ug/kg	17.8	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	59		30-150
Decachlorobiphenyl	88		30-150
2,4,5,6-Tetrachloro-m-xylene	70		30-150
Decachlorobiphenyl	94		30-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB by GC - Westborough Lab Associated sample(s): 01,06,09,13,15-16 Batch: WG465676-2 WG465676-3								
Aroclor 1016	90		113		40-140	23		50
Aroclor 1260	80		85		40-140	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	66		67		30-150
Decachlorobiphenyl	57		71		30-150
2,4,5,6-Tetrachloro-m-xylene	91		109		30-150
Decachlorobiphenyl	87		108		30-150

PCB by GC - Westborough Lab Associated sample(s): 02-05,07-08,10-12,14 Batch: WG466571-2 WG466571-3								
Aroclor 1016	82		64		40-140	25		50
Aroclor 1260	75		66		40-140	13		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	58		65		30-150
Decachlorobiphenyl	67		75		30-150
2,4,5,6-Tetrachloro-m-xylene	91		85		30-150
Decachlorobiphenyl	104		108		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1105943-01A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-02A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-03A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-04A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-05A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-06A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-07A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-08A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-09A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-10A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-11A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-12A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-13A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-14A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-15A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-16A	Bag	A	N/A	15	Y	Absent	PCB-8082LL-3540C(14)
L1105943-17A	Bag	A	N/A	15	Y	Absent	HOLD(14)
L1105943-18A	Bag	A	N/A	15	Y	Absent	HOLD(14)

*Values in parentheses indicate holding time in days

Project Name:	SOUTHBRIDGE POOL	**Lab Number:**	L1105943
Project Number:	Not Specified	**Report Date:**	05/09/11

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Report Format: Data Usability Report

Project Name:	SOUTHBRIDGE POOL	**Lab Number:**	L1105943
Project Number:	Not Specified	**Report Date:**	05/09/11

Data Qualifiers

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105943
Report Date: 05/09/11

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 23, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 S2⁻D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 2

Date Rec'd in Lab: 4/29/11

ALPHA Job #: L1105943

WESTBORO, MA
TEL: 508-898-9220
FAX: 508-898-9193

MANSFIELD, MA
TEL: 508-822-9300
FAX: 508-822-3288

Serial No:0509111840

Client Information

Client: NOBIS ENGINEERING
Address: 585 MIDDLESEX ST
LOWELL MA 01851
Phone: 978-683-0871
Fax:
Email: jdoherty@nobiseng.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: SOUTHBRIDGE POOL
Project Location: RANDOLPH ST, SOUTHBRIDGE
Project #: TBD
Project Manager: JIM DOHERTY
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)

Date Due: 5/6/11 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All CAM methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB	Sample Specific Comments	Total # Bottles
05943-1	PSC-2	4-29-11	15:00	S	JNB	X	*MANUAL SOXHLET	
2	PBS-7		15:50			X	EXTRACTION	
3	~~PDB~~ ~~PDB~~ PDB-15		16:50			X		
4	PBS-1		15:20			X		
5	PBS-6		15:40			X		
6	PBS-3		15:30			X		
7	PDG-2		17:00			X		
8	PDB-8		16:20			X		
9	PDB-1		16:00			X		
10	PDB-14		16:40			X		

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	18:46	[signature]	4/29/11 18:46

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 4/29/11

ALPHA Job #: L1105943

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Serial_No:05091118:40

Client Information

Client: NOBIS
Address: Lowell
Phone:
Fax:
Email:
☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: SOUTHBOROUGH Park
Project Location: RANDOLPH ST
Project #:
Project Manager:
ALPHA Quote #:

Turn-Around Time

☑ Standard ☐ RUSH (only confirmed if pre-approved)
Date Due: 5/6/11 Time:

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING
Filtration ☐ Done ☐ Not needed ☐ Lab to do
Preservation ☐ Lab to do (Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB	Sample Specific Comments	Total # Bottles
05943-11	PDB-11	4-29-11	16:35	S	JNB	X	* MANUAL SONXLET	
12	PDG-4		17:10			X	EXTRACTION	
13	PSC-4		15:10			X		
14	POG-3		17:05			X		
15	PSC-5		16:45			X		
16	PCB-14		16:40			X		
17	PDB-10 *		16:30			X	HOLD UNTIL PM OKS	
18	PDB-4 *		1610			X	HOLD UNTIL PM OKS	

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Container Type														
Preservative														

Relinquished By:	Date/Time	Received By:	Date/Time
	18:46		4/29/11 1846

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

ANALYTICAL REPORT

Lab Number:	L1105941
Client:	Nobis Engineering Inc. 585 Middlesex St Lowell, MA 01851
ATTN:	Jim Doherty
Phone:	(978) 683-0891
Project Name:	SOUTHBRIDGE POOL
Project Number:	Not Specified
Report Date:	05/05/11

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L1105941-01	PCB-3	RANDOLPH ST.	04/29/11 12:00
L1105941-02	PCB-4	RANDOLPH ST.	04/29/11 12:10
L1105941-03	PCB-11	RANDOLPH ST.	04/29/11 13:00
L1105941-04	PCB-16	RANDOLPH ST.	04/29/11 13:20
L1105941-05	PCB-2	RANDOLPH ST.	04/29/11 11:50
L1105941-06	PCB-5	RANDOLPH ST.	04/29/11 12:20
L1105941-07	PCB-6	RANDOLPH ST.	04/29/11 12:30
L1105941-08	PCB-12	RANDOLPH ST.	04/29/11 12:45
L1105941-09	PCB-9	RANDOLPH ST.	04/29/11 12:50
L1105941-10	PCB-15	RANDOLPH ST.	04/29/11 13:10
L1105941-11	PCB-7	RANDOLPH ST.	04/29/11 12:40
L1105941-12	GH-1	RANDOLPH ST.	04/29/11 13:30
L1105941-13	GH-2	RANDOLPH ST.	04/29/11 13:40
L1105941-14	KPPC-3	RANDOLPH ST.	04/29/11 13:50
L1105941-15	KPPC-1	RANDOLPH ST.	04/29/11 14:00
L1105941-16	PPC-1	RANDOLPH ST.	04/29/11 14:10
L1105941-17	PPC-3	RANDOLPH ST.	04/29/11 14:20
L1105941-18	PPC-4	RANDOLPH ST.	04/29/11 14:30

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

Samples were received in inappropriate containers for the PCB analysis.

The samples were received at the laboratory above the required temperature range. The samples were delivered directly from the sampling site but were not on ice.

PCBs

L1105941-05 through -18 have elevated detection limits due to the limited sample volume utilized during extraction, as required by the sample matrix.

L1105941-05 and -15 have elevated detection limits due to the dilutions required by matrix interferences encountered during the concentration of the samples.

L1105941-06 has elevated detection limits due to the dilution required by the matrix interferences encountered during the concentration of the sample and the analytical dilution required by the target compounds present in

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

Case Narrative (continued)

the sample.

L1105941-07 through -11 have elevated detection limits due to the dilutions required by the elevated concentrations of target compounds in the samples.

L1105941-12 and -13 have elevated detection limits due to the dilutions required by the sample matrix.

L1105941-17 and -18 have elevated detection limits due to limited sample volume available for analysis.

The surrogate recoveries for L1105941-06 through -13 are below the acceptance criteria for 2,4,5,6-Tetrachloro-m-xylene and Decachlorobiphenyl (all 0%) due to the dilutions required to quantitate the samples. Re-extraction was not required; therefore, the results of the original analyses are reported.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative

Date: 05/05/11

ORGANICS

PCBS

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-05	Date Collected:	04/29/11 11:50
Client ID:	PCB-2	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 15:45	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	128	--	2
Aroclor 1221	ND		ug/kg	128	--	2
Aroclor 1232	ND		ug/kg	128	--	2
Aroclor 1242	ND		ug/kg	128	--	2
Aroclor 1248	ND		ug/kg	85.1	--	2
Aroclor 1260	ND		ug/kg	85.1	--	2
Aroclor 1262	ND		ug/kg	42.6	--	2
Aroclor 1268	ND		ug/kg	42.6	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	44		30-150
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	81		30-150

Project Name: SOUTHBRIDGE POOL **Lab Number:** L1105941

Project Number: Not Specified **Report Date:** 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-05	Date Collected:	04/29/11 11:50
Client ID:	PCB-2	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 15:45	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1254	1680		ug/kg	128	--	2

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	57		30-150
Decachlorobiphenyl	44		30-150
2,4,5,6-Tetrachloro-m-xylene	60		30-150
Decachlorobiphenyl	81		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-06	D	Date Collected:	04/29/11 12:20
Client ID:	PCB-5		Date Received:	04/29/11
Sample Location:	RANDOLPH ST.		Field Prep:	Not Specified
Matrix:	Solid		Extraction Method:	EPA 3540C
Analytical Method:	1,8082		Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 13:26		Cleanup Method1:	EPA 3665A
Analyst:	KB		Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		Cleanup Method2:	EPA 3660B
			Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	698	--	10
Aroclor 1221	ND		ug/kg	698	--	10
Aroclor 1232	ND		ug/kg	698	--	10
Aroclor 1242	ND		ug/kg	698	--	10
Aroclor 1248	ND		ug/kg	465	--	10
Aroclor 1254	7840		ug/kg	698	--	10
Aroclor 1260	ND		ug/kg	465	--	10
Aroclor 1262	ND		ug/kg	232	--	10
Aroclor 1268	ND		ug/kg	232	--	10

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-07	D	Date Collected:	04/29/11 12:30
Client ID:	PCB-6		Date Received:	04/29/11
Sample Location:	RANDOLPH ST.		Field Prep:	Not Specified
Matrix:	Solid		Extraction Method:	EPA 3540C
Analytical Method:	1,8082		Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 13:39		Cleanup Method1:	EPA 3665A
Analyst:	KB		Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		Cleanup Method2:	EPA 3660B
			Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	6170000	--	100000
Aroclor 1221	ND		ug/kg	6170000	--	100000
Aroclor 1232	ND		ug/kg	6170000	--	100000
Aroclor 1242	ND		ug/kg	6170000	--	100000
Aroclor 1248	ND		ug/kg	4120000	--	100000
Aroclor 1254	138000000		ug/kg	6170000	--	100000
Aroclor 1260	ND		ug/kg	4120000	--	100000
Aroclor 1262	ND		ug/kg	2060000	--	100000
Aroclor 1268	ND		ug/kg	2060000	--	100000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-08 D	Date Collected:	04/29/11 12:45
Client ID:	PCB-12	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 13:51	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	6210000	--	100000
Aroclor 1221	ND		ug/kg	6210000	--	100000
Aroclor 1232	ND		ug/kg	6210000	--	100000
Aroclor 1242	ND		ug/kg	6210000	--	100000
Aroclor 1248	ND		ug/kg	4140000	--	100000
Aroclor 1254	79600000		ug/kg	6210000	--	100000
Aroclor 1260	ND		ug/kg	4140000	--	100000
Aroclor 1262	ND		ug/kg	2070000	--	100000
Aroclor 1268	ND		ug/kg	2070000	--	100000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-09 D	Date Collected:	04/29/11 12:50
Client ID:	PCB-9	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 14:31	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	9200	--	50
Aroclor 1221	ND		ug/kg	9200	--	50
Aroclor 1232	ND		ug/kg	9200	--	50
Aroclor 1242	ND		ug/kg	9200	--	50
Aroclor 1248	ND		ug/kg	6130	--	50
Aroclor 1254	96900		ug/kg	9200	--	50
Aroclor 1260	ND		ug/kg	6130	--	50
Aroclor 1262	ND		ug/kg	3070	--	50
Aroclor 1268	ND		ug/kg	3070	--	50

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-10	D	Date Collected:	04/29/11 13:10
Client ID:	PCB-15		Date Received:	04/29/11
Sample Location:	RANDOLPH ST.		Field Prep:	Not Specified
Matrix:	Solid		Extraction Method:	EPA 3540C
Analytical Method:	1,8082		Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 14:13		Cleanup Method1:	EPA 3665A
Analyst:	KB		Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		Cleanup Method2:	EPA 3660B
			Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	5070000	--	100000
Aroclor 1221	ND		ug/kg	5070000	--	100000
Aroclor 1232	ND		ug/kg	5070000	--	100000
Aroclor 1242	ND		ug/kg	5070000	--	100000
Aroclor 1248	ND		ug/kg	3380000	--	100000
Aroclor 1254	114000000		ug/kg	5070000	--	100000
Aroclor 1260	ND		ug/kg	3380000	--	100000
Aroclor 1262	ND		ug/kg	1690000	--	100000
Aroclor 1268	ND		ug/kg	1690000	--	100000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-11 D	Date Collected:	04/29/11 12:40
Client ID:	PCB-7	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 14:26	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	5640000	--	100000
Aroclor 1221	ND		ug/kg	5640000	--	100000
Aroclor 1232	ND		ug/kg	5640000	--	100000
Aroclor 1242	ND		ug/kg	5640000	--	100000
Aroclor 1248	ND		ug/kg	3760000	--	100000
Aroclor 1260	ND		ug/kg	3760000	--	100000
Aroclor 1262	ND		ug/kg	1880000	--	100000
Aroclor 1268	ND		ug/kg	1880000	--	100000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL **Lab Number:** L1105941

Project Number: Not Specified **Report Date:** 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-11	D	Date Collected:	04/29/11 12:40
Client ID:	PCB-7		Date Received:	04/29/11
Sample Location:	RANDOLPH ST.		Field Prep:	Not Specified
Matrix:	Solid		Extraction Method:	EPA 3540C
Analytical Method:	1,8082		Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 14:26		Cleanup Method1:	EPA 3665A
Analyst:	KB		Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		Cleanup Method2:	EPA 3660B
			Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1254	151000000		ug/kg	5640000	--	100000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150
Decachlorobiphenyl	**0**	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	**0**	Q	30-150
Decachlorobiphenyl	**0**	Q	30-150

Project Name: SOUTHBRIDGE POOL **Lab Number:** L1105941

Project Number: Not Specified **Report Date:** 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-12 D	Date Collected:	04/29/11 13:30
Client ID:	GH-1	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 15:59	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	65200	--	1000
Aroclor 1221	ND		ug/kg	65200	--	1000
Aroclor 1232	ND		ug/kg	65200	--	1000
Aroclor 1242	ND		ug/kg	65200	--	1000
Aroclor 1248	ND		ug/kg	43500	--	1000
Aroclor 1254	ND		ug/kg	65200	--	1000
Aroclor 1260	ND		ug/kg	43500	--	1000
Aroclor 1262	ND		ug/kg	21700	--	1000
Aroclor 1268	ND		ug/kg	21700	--	1000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-13	D	Date Collected:	04/29/11 13:40
Client ID:	GH-2		Date Received:	04/29/11
Sample Location:	RANDOLPH ST.		Field Prep:	Not Specified
Matrix:	Solid		Extraction Method:	EPA 3540C
Analytical Method:	1,8082		Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 14:52		Cleanup Method1:	EPA 3665A
Analyst:	KB		Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.		Cleanup Method2:	EPA 3660B
			Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	5350000	--	100000
Aroclor 1221	ND		ug/kg	5350000	--	100000
Aroclor 1232	ND		ug/kg	5350000	--	100000
Aroclor 1242	ND		ug/kg	5350000	--	100000
Aroclor 1248	ND		ug/kg	3560000	--	100000
Aroclor 1254	ND		ug/kg	5350000	--	100000
Aroclor 1260	ND		ug/kg	3560000	--	100000
Aroclor 1262	ND		ug/kg	1780000	--	100000
Aroclor 1268	ND		ug/kg	1780000	--	100000

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150
2,4,5,6-Tetrachloro-m-xylene	0	Q	30-150
Decachlorobiphenyl	0	Q	30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-14	Date Collected:	04/29/11 13:50
Client ID:	KPPC-3	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 09:58	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	60.8	--	1
Aroclor 1221	ND		ug/kg	60.8	--	1
Aroclor 1232	ND		ug/kg	60.8	--	1
Aroclor 1242	ND		ug/kg	60.8	--	1
Aroclor 1248	ND		ug/kg	40.6	--	1
Aroclor 1260	ND		ug/kg	40.6	--	1
Aroclor 1262	ND		ug/kg	20.3	--	1
Aroclor 1268	ND		ug/kg	20.3	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	41		30-150
2,4,5,6-Tetrachloro-m-xylene	90		30-150
Decachlorobiphenyl	47		30-150

Project Name:	SOUTHBRIDGE POOL	**Lab Number:**	L1105941
Project Number:	Not Specified	**Report Date:**	05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-14	Date Collected:	04/29/11 13:50
Client ID:	KPPC-3	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 09:58	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1254	1840		ug/kg	60.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	41		30-150
2,4,5,6-Tetrachloro-m-xylene	90		30-150
Decachlorobiphenyl	47		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-15	Date Collected:	04/29/11 14:00
Client ID:	KPPC-1	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 09:46	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	2680	--	5
Aroclor 1221	ND		ug/kg	2680	--	5
Aroclor 1232	ND		ug/kg	2680	--	5
Aroclor 1242	ND		ug/kg	2680	--	5
Aroclor 1248	ND		ug/kg	1780	--	5
Aroclor 1254	5100		ug/kg	2680	--	5
Aroclor 1260	ND		ug/kg	1780	--	5
Aroclor 1262	ND		ug/kg	893	--	5
Aroclor 1268	ND		ug/kg	893	--	5

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	105		30-150
Decachlorobiphenyl	91		30-150
2,4,5,6-Tetrachloro-m-xylene	118		30-150
Decachlorobiphenyl	96		30-150

Project Name: SOUTHBRIDGE POOL **Lab Number:** L1105941

Project Number: Not Specified **Report Date:** 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-16	Date Collected:	04/29/11 14:10
Client ID:	PPC-1	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 15:06	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	57.5	--	1
Aroclor 1221	ND		ug/kg	57.5	--	1
Aroclor 1232	ND		ug/kg	57.5	--	1
Aroclor 1242	ND		ug/kg	57.5	--	1
Aroclor 1248	ND		ug/kg	38.3	--	1
Aroclor 1260	ND		ug/kg	38.3	--	1
Aroclor 1262	ND		ug/kg	19.2	--	1
Aroclor 1268	ND		ug/kg	19.2	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	52		30-150
2,4,5,6-Tetrachloro-m-xylene	89		30-150
Decachlorobiphenyl	76		30-150

Project Name: SOUTHBRIDGE POOL **Lab Number:** L1105941

Project Number: Not Specified **Report Date:** 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-16	Date Collected:	04/29/11 14:10
Client ID:	PPC-1	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 15:06	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1254	60.2		ug/kg	57.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	65		30-150
Decachlorobiphenyl	52		30-150
2,4,5,6-Tetrachloro-m-xylene	89		30-150
Decachlorobiphenyl	76		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-17	Date Collected:	04/29/11 14:20
Client ID:	PPC-3	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 15:19	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	330	--	1
Aroclor 1221	ND		ug/kg	330	--	1
Aroclor 1232	ND		ug/kg	330	--	1
Aroclor 1242	ND		ug/kg	330	--	1
Aroclor 1248	ND		ug/kg	220	--	1
Aroclor 1260	ND		ug/kg	220	--	1
Aroclor 1262	ND		ug/kg	110	--	1
Aroclor 1268	ND		ug/kg	110	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	83		30-150
Decachlorobiphenyl	50		30-150
2,4,5,6-Tetrachloro-m-xylene	102		30-150
Decachlorobiphenyl	74		30-150

Project Name:	SOUTHBRIDGE POOL	**Lab Number:**	L1105941
Project Number:	Not Specified	**Report Date:**	05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-17	Date Collected:	04/29/11 14:20
Client ID:	PPC-3	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 15:19	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1254	4110		ug/kg	330	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	83		30-150
Decachlorobiphenyl	50		30-150
2,4,5,6-Tetrachloro-m-xylene	102		30-150
Decachlorobiphenyl	74		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

SAMPLE RESULTS

Lab ID:	L1105941-18	Date Collected:	04/29/11 14:30
Client ID:	PPC-4	Date Received:	04/29/11
Sample Location:	RANDOLPH ST.	Field Prep:	Not Specified
Matrix:	Solid	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	05/02/11 12:50
Analytical Date:	05/05/11 15:32	Cleanup Method1:	EPA 3665A
Analyst:	KB	Cleanup Date1:	05/03/11
Percent Solids:	Results reported on an 'AS RECEIVED' basis.	Cleanup Method2:	EPA 3660B
		Cleanup Date2:	05/03/11

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
PCB by GC - Westborough Lab						
Aroclor 1016	ND		ug/kg	366	--	1
Aroclor 1221	ND		ug/kg	366	--	1
Aroclor 1232	ND		ug/kg	366	--	1
Aroclor 1242	ND		ug/kg	366	--	1
Aroclor 1248	ND		ug/kg	244	--	1
Aroclor 1254	7130		ug/kg	366	--	1
Aroclor 1260	ND		ug/kg	244	--	1
Aroclor 1262	ND		ug/kg	122	--	1
Aroclor 1268	ND		ug/kg	122	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	76		30-150
Decachlorobiphenyl	56		30-150
2,4,5,6-Tetrachloro-m-xylene	64		30-150
Decachlorobiphenyl	59		30-150

Project Name: SOUTHBRIDGE POOL

Project Number: Not Specified

Lab Number: L1105941

Report Date: 05/05/11

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 05/04/11 08:51
Analyst: KB

Extraction Method: EPA 3540C
Extraction Date: 05/02/11 12:50
Cleanup Method1: EPA 3665A
Cleanup Date1: 05/03/11
Cleanup Method2: EPA 3660B
Cleanup Date2: 05/03/11

Parameter	Result	Qualifier	Units	RL	MDL
PCB by GC - Westborough Lab for sample(s): 05-18 Batch: WG465617-1					
Aroclor 1016	ND		ug/kg	20.0	--
Aroclor 1221	ND		ug/kg	20.0	--
Aroclor 1232	ND		ug/kg	20.0	--
Aroclor 1242	ND		ug/kg	20.0	--
Aroclor 1248	ND		ug/kg	13.3	--
Aroclor 1254	ND		ug/kg	20.0	--
Aroclor 1260	ND		ug/kg	13.3	--
Aroclor 1262	ND		ug/kg	6.66	--
Aroclor 1268	ND		ug/kg	6.66	--

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	76		30-150
Decachlorobiphenyl	74		30-150
2,4,5,6-Tetrachloro-m-xylene	115		30-150
Decachlorobiphenyl	88		30-150

Lab Control Sample Analysis
Batch Quality Control

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
PCB by GC - Westborough Lab Associated sample(s): 05-18 Batch: WG465617-2 WG465617-3								
Aroclor 1016	107		109		40-140	2		50
Aroclor 1260	90		96		40-140	6		50

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2,4,5,6-Tetrachloro-m-xylene	82		86		30-150
Decachlorobiphenyl	70		72		30-150
2,4,5,6-Tetrachloro-m-xylene	121		132		30-150
Decachlorobiphenyl	99		104		30-150

Project Name: SOUTHBRIDGE POOL
Project Number: Not Specified

Lab Number: L1105941
Report Date: 05/05/11

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Reagent H2O Preserved Vials Frozen on: NA

Cooler Information Custody Seal

Cooler	
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp deg C	Pres	Seal	Analysis(*)
L1105941-01A	Bag	A	N/A	16	Y	Absent	HOLD(14)
L1105941-02A	Bag	A	N/A	16	Y	Absent	HOLD(14)
L1105941-03A	Bag	A	N/A	16	Y	Absent	HOLD(14)
L1105941-04A	Bag	A	N/A	16	Y	Absent	HOLD(14)
L1105941-05A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-06A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-07A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-08A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-09A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-10A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-11A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-12A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-13A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-14A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-15A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-16A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-17A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)
L1105941-18A	Bag	A	N/A	16	Y	Absent	PCB-8082LL-3540C(14)

*Values in parentheses indicate holding time in days

Project Name: SOUTHBRIDGE POOL **Lab Number:** L1105941
Project Number: Not Specified **Report Date:** 05/05/11

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NI - Not Ignitable.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than five times (5x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The RPD between the results for the two columns exceeds the method-specified criteria; however, the lower value has been reported due to obvious interference.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when

Project Name:	SOUTHBRIDGE POOL	**Lab Number:**	L1105941
Project Number:	Not Specified	**Report Date:**	05/05/11

Data Qualifiers

the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

ND - Not detected at the reporting limit (RL) for the sample.

Project Name:	SOUTHBRIDGE POOL	**Lab Number:**	L1105941
Project Number:	Not Specified	**Report Date:**	05/05/11

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 23, 2011 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574. ***NELAP Accredited Solid Waste/Soil.***

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB), 1,4-Dioxane (Mod 8270). Microbiology Parameters: Total Coliform-MF mEndo (SM9222B), Total Coliform – Colilert (SM9223 P/A), E. Coli. – Colilert (SM9223 P/A), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D))

Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics, TPH (HEM/SGT), Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH. Microbiology Parameters: Total Coliform – MF mEndo (SM9222B), Total Coliform – MTF (SM9221B), HPC – Pour Plate (SM9215B), Fecal Coliform – MF m-FC (SM9222D), Fecal Coliform – A-1 Broth (SM9221E).)

Solid Waste/Soil (Inorganic Parameters: pH, Sulfide, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), SPLP Leach (1312 metals only), Reactivity. Organic Parameters: PCBs, PCBs in Oil, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), MA-EPH, MA-VPH, Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: 2009024.
Drinking Water (Inorganic Parameters: SM9215B, 9222D, 9223B, EPA 180.1, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B, 4500NO3-F, EPA 200.7, EPA 200.8, 245.1, EPA 300.0. Organic Parameters: 504.1, 524.2.)

Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, SM2320B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624, ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Solid Waste/Soil (Organic Parameters: ME-DRO, ME-GRO, MA-EPH, MA-VPH.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water (Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl) (EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Fluoride, Sulfate); (EPA 353.2 for: Nitrate-N, Nitrite-N); (SM4500NO3-F for: Nitrate-N and Nitrite-N); 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, SM4500H-B. Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics); (504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), EPA 332. Microbiology Parameters: SM9215B; ENZ. SUB. SM9223; ColilertQT SM9223B; MF-SM9222D.)

Non-Potable Water (Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn); (EPA 200.7 for: Al,Sb,As,Be,Cd,Ca,Cr,Co,Cu,Fe,Pb,Mg,Mn,Mo,Ni,K,Se,Ag,Na,Sr,Ti,Tl, V,Zn); 245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2340B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Ammonia-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1, SM4500-CN-CE, SM2540D.

Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics),(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCBs-Water), (EPA 625 for SVOC Acid Extractables and SVOC Base/Neutral Extractables), 600/4-81-045-PCB-Oil. Microbiology Parameters: (ColilertQT SM9223B;Enterolert-QT: SM9222D-MF.)

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM 9222B, 9223B, 9215B, EPA 200.7, 200.8, 245.2, 300.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 332.0. Organic Parameters: 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 3005A, 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 300.0, 350.1, 351.1, 353.2, 410.4, 420.1, 1664A, SW-846 9010, 9030, 9040B, 9050A, SM426C, SM2120B, 2310B, 2320B, 2540B, 2540D, 4500H+B, 4500CL-E, 4500CN-E, 4500NH3-H, 4500NO3-F, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 5220D, 2510B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3510C, 5030B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A, 8151A.)

Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040B, 9045C, 9050C, 9065,1311, 1312, 3005A, 3050B. Organic Parameters: SW-846 3540C, 3546, 3580A, 5030B, 5035, 8260B, 8270C, 8330, 8151A, 8015B, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500CN-CE, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 200.8, 245.2, 2540C, SM2120B, 2320B, 2510B, 5310C, SM4500H-B. Organic Parameters: EPA 332, 504.1, 524.2.)

Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.4, SM5220D, 4500Cl-E, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM510ABC, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, 9222D, 9221B, 9221C, 9221E, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, 4500-S D, EPA 350.1, 350.2, SW-846 1312, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, 4500CN-CE, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 8270C-SIM, 3510C, EPA 608, 624, 625, SW-846 3630C, 5030B, 8081A, 8082, 8151A, 8330, NJ OQA-QAM-025 Rev.7, NJ EPH.)

Solid & Chemical Materials (Inorganic Parameters: SW-846, 6010B, 7196A, 9010B, 9030B, 1010, 1030, 1311, 1312, 3005A, 3050B, 7471A, 9014, 9012A, 9040B, 9045C, 9050A, 9065. Organic Parameters: SW-846 8015B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 8270C-SIM, 3540C, 3545, 3546, 3550B, 3580A, 3630C, 5030B, 5035L, 5035H, NJ OQA-QAM-025 Rev.7, NJ EPH.)

New York Department of Health Certificate/Lab ID: 11148. ***NELAP Accredited.***
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 9215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 332.0, SM2320B, EPA 300.0, SM2120B, 4500CN-E, 4500F-C, 4500H-B, 4500NO3-F, 2540C, SM 2510B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, 5210B, 5310C, EPA 410.4, SM5220D, 2310B-4a, 2320B, EPA 200.7, 300.0, SM4500CL-E, 4500F-C, SM15 426C, EPA 350.1, SM4500NH3-BH, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-04-1-C, SM4500-NO3-F, 4500-NO2-B, 4500P-E, 2540C, 2540B, 2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, SM3500Cr-D, EPA 245.1, 245.2, 7470A, SM2120B, LACHAT 10-204-00-1-A, EPA 9040B, SM4500-HB, EPA 1664A, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, SM4500S-D, SM5540C, EPA 3005A, 9010B, 9030B.. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, EPA 3510C, 5030B.)

Solid & Hazardous Waste (Inorganic Parameters: 1010, 1030, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 1312, 3005A, 3050B, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8015B, 8081A, 8151A, 8330, 8082, 3540C, 3545, 3546, 3580, 5030B, 5035.)

North Carolina Department of the Environment and Natural Resources Certificate/Lab ID : 666. Organic Parameters: MA-EPH, MA-VPH.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. ***NELAP Accredited.***
Drinking Water (Organic Parameters: EPA 524.2)

Non-Potable Water (Inorganic Parameters: EPA 1312. Organic Parameters: EPA 3510C, 5030B, 625, 624, 608, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Solid & Hazardous Waste (Inorganic Parameters: EPA 350.1, 1010, 1030, 1311, 1312, 3050B, 6010B, 7196A, 7471A, 9010B, 9012A, 9014, 9040B, 9045C, 9050, 9065, SM 4500NH3-H. Organic Parameters: 3540C, 3545, 3546, 3550B,

3580A, 3630C, 5035, 8015B, 8081A, 8082, 8151A, 8260B, 8270C, 8330)

Rhode Island Department of Health Certificate/Lab ID: LAO00065. ***NELAP Accredited via NY-DOH.***
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NJ-DEP Certificate for Potable and Non-Potable Water.

Texas Commisson on Environmental Quality Certificate/Lab ID: T104704476-09-1. ***NELAP Accredited.***
Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664, 200.7, 200.8, 245.1, 245.2, 300.0, 350.1, 351.1, 353.2, 376.2, 410.4, 420.1, 6010, 6020, 7196, 7470, 9040, SM 2120B, 2310B, 2320B, 2510B, 2540B, 2540C, 2540D, 426C, 4500CL-E, 4500CN-E, 4500F-C, 4500H+B, 4500NH3-H, 4500NO2B, 4500P-E, 4500 $S2^{-}$D, 510C, 5210B, 5220D, 5310C, 5540C. Organic Parameters: EPA 608, 624, 625, 8081, 8082, 8151, 8260, 8270, 8330.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 1311, 1312, 9012, 9014, 9040, 9045, 9050, 9065.)

Department of Defense Certificate/Lab ID: L2217.
Drinking Water (Inorganic Parameters: SM 4500H-B. Organic Parameters: EPA 524.2, 504.1.)

Non-Potable Water (Inorganic Parameters: EPA 200.7, 200.8, 6010B, 6020, 245.1, 245.2, 7470A, 9040B, 300.0, 332.0, 6860, 353.2, 410.4, 9060, 1664A, SM 4500CN-E, 4500H-B, 4500NO3-F, 5220D, 5310C, 2320B, 2540C, 3005A, 3015, 9010B, 9056. Organic Parameters: EPA 8260B, 8270C, 8330A, 625, 8082, 8081A, 3510C, 5030B, MassDEP EPH, MassDEP VPH.)

Solid & Hazardous Waste (Inorganic Parameters: EPA 200.7, 6010B, 7471A, 9010, 9012A, 6860, 1311, 1312, 3050B, 7196A, 9010B, 3500-CR-D, 4500CN-CE, 2540G, Organic Parameters: EPA 8260B, 8270C, 8330A/B-prep, 8082, 8081A, 3540C, 3546, 3580A, 5035A, MassDEP EPH, MassDEP VPH.)

Analytes Not Accredited by NELAP
Certification is not available by NELAP for the following analytes: **EPA 8260B:** Freon-113, 1,2,4,5-Tetramethylbenzene, 4-Ethyltoluene. **EPA 8330A:** PETN, Picric Acid, Nitroglycerine, 2,6-DANT, 2,4-DANT. **EPA 8270C:** Methyl naphthalene, Dimethyl naphthalene, Total Methylnapthalenes, Total Dimethylnaphthalenes, 1,4-Diphenylhydrazine (Azobenzene). **EPA 625:** 4-Chloroaniline. **EPA 350.1** for Ammonia in a Soil matrix.

CHAIN OF CUSTODY

PAGE 1 OF 2

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 4/29/11

ALPHA Job #: L1105941

Client Information

Client: Nobis Engineering

Address: 585 Middlesex St

Lowell MA

Phone: 978 683 0891

Fax:

Email: JDoherty@NobisEng.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Southbridge Pool

Project Location: Randolph St

Project #: TBD

Project Manager: Jim Doherty

ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!)

Date Due: Wed May 4th Time: EOD

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB	Sample Specific Comments	TOTAL # BOTTLES
0594 1	PCB-3	4/29/11	1200		JV	X	Hold until PM OK's	
2	PCB-4		1210					
3	PCB-11		13:00					
4	PCB-16		13:20					
5	PCB-2		1150				*Manual Soxlet Extraction	
6	PCB-5		1220					
7	PCB-6		12:30					
8	PCB-12		12:45					
9	PCB-9		12:50					
10	PCB-15		13:10					

Container Type

Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
JW	4/29/11	C	4/29/11 1840

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Serial No: 05051 13:44

CHAIN OF CUSTODY

PAGE 2 OF 2

Date Rec'd in Lab: 4/29/11

ALPHA Job #: L1105941

ALPHA ANALYTICAL
WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193
MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Serial No: 05051118:44

Client Information

Client: Nobis Engineering
Address: 585 Middlesex St
Lowell MA
Phone: 9786830891
Fax:
Email: JDoherty@NobisEngineering.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: Southbridge Pool
Project Location: Randolph St
Project #: TBD
Project Manager: Jim Doherty
ALPHA Quote #:

Turn-Around Time

☐ Standard ☑ RUSH (only confirmed if pre-approved!)
Date Due: Wed May 4th Time: EOD

Report Information - Data Deliverables

☐ FAX ☑ EMAIL
☐ ADEx ☑ Add'l Deliverables

Billing Information

☐ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY --- CT REASONABLE CONFIDENCE PROTO

☐ Yes ☐ No Are MCP Analytical Methods Required?
☐ Yes ☐ No Is Matrix Spike (MS) Required on this SDG? (If yes see note in Comments)
☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:
If MS is required, indicate in Sample Specific Comments which samples and what tests MS to be performed.
(Note: All *CAM* methods for inorganic analyses require MS every 20 soil samples)

ANALYSIS: PCB

SAMPLE HANDLING
Filtration
☐ Done
☐ Not needed
☐ Lab to do
Preservation
☐ Lab to do
(Please specify below)

TOTAL # BOTTLES

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PCB	Sample Specific Comments
05941.11	PCB-7	4-29-11	12:40		JW	X	Manual
12	GH-1	↓	13:30		↓	↓	Soxhlet
13	GH-2	↓	13:40		↓	↓	Extraction
14	KPPC-3	↓	13:50		↓	↓	
15	KPPC-1	↓	14:00		↓	↓	
16	PPC-1	↓	14:10		↓	↓	
17	PPC-3	↓	14:20		↓	↓	
18	PPC-4	↓	14:30		↓	↓	

Container Type
Preservative

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP *or* CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	4/29/11	[signature]	4/29/11 1800

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Terms and Conditions. See reverse side.

FORM NO: 01-01 (rev. 18-Jan-2010)

Yee Consulting Group, Inc.

January 5th, 2009

Mr. Ramzi Abounaja
Project Manager
Department of Conservation and Recreation
251 Causeway Street
Boston, MA 02114

RE: Department of Conservation and Recreation
Andrew Petro Memorial Swimming Pool
Southbridge, MA

Dear Mr. Abounaja:

Yee Consulting Group, Inc. (YCGI) representative Rockey Chan conducted a Polychlorinated Biphenyls (PCB) survey at the above referenced site on December 18th, 2008. The survey is in response to a new state law requiring all public swimming pool drainage systems to meet new safety codes. The survey is to verify any suspect building materials that could contain PCB prior to any renovation and/or demolition of existing DCR swimming pools.

Analysis

A total of four (4) samples were collected from the concrete deck and swimming pool walls. The collected samples were submitted to Alpha Analytical Labs in Westboro, MA (Massachusetts Analytical Laboratory ID# M-MA086) for analysis. The PCBs analysis was performed according to EPA SW-846 IIIA Method, Soxhlet Extraction Method 3541 for solid waste analysis and EPA CFR 40 Part 761.253.

Of the collected samples, one (1) sample was analyzed above the Environmental Protection Agency (EPA) limit. The EPA define a non porous PCB material as 50 part per million (ppm) by dry weight. Enclosed is a copy of the laboratory results.

Date of Sample	Sample Number	Description	PCB Description	Sample Result in (ppm)
12/18/08	01	Gray Caulking on Concrete Deck near Guard Office	N/A	None Detected

378 Page Street, Suite 14D, Stoughton, MA 02072-1124
TEL: (781) 344-3556 FAX: (781) 344-9525

Date of Sample	Sample Number	Description	PCB Description	Sample Result in (ppm)
12/18/08	02	Concrete Deck near Guard Office	N/A	None Detected
12/18/08	03	Gray Caulking on Swimming Pool Wall	Aroclor 1254	2,500
12/18/08	04	Blue Green Paint on the Swimming Pool Floor	N/A	None Detected
EPA Limit in Parts Per Million				50 ppm

Discussion:

Polychlorinated biphenyls (PCB) are an organic class of biphenyls with one to ten chlorine atoms positioned at various points on the benzene rings. There are two hundred and nine possible positions for the chlorine atoms; each possible position is called a congener. The PCB congener can range from translucent to a pale yellow in color and in viscosity. In general the more yellow and viscous the PCB mixture, the higher the chlorine content will be found.

PCBs are chemically inert, non flammable and electrically non conductive. PCBs have a low water solubility and readily soluble in organic compounds. These characteristics made it useful in the electrical and other industries as an insulator, coolant, and stabilizer in building materials. It is estimated that one hundred fifty PCB congeners were used in commercial applications.

Monsanto Company was the main producer of PCB mixtures and sold under the commercial trade name Aroclor from 1930s to 1970s. Nine mixtures were made and differentiated by a four digit number code. The first two digits represented the carbon atom content and the last two digits represented the chlorine percentage in the mixture. Monsanto created a new PCB mixture in the early 1970s. The new mixture resulted in low chlorinated PCB molecules in organic compounds in routine laboratory analysis. The new mixture was branded Aroclor 1016 to further advertize the safety of the new mixture even though it contained twelve carbon atoms and forty two percent chlorine or more by weight. Monsanto later acknowledged that Aroclor 1016 should be appropriately branded as Aroclor 1242+.

PCB production and use peaked in the 1960's just as the environmental and health effects became more evident in the medical and scientific fields. U.S. Congress began to federally phase out its use commercially in 1973 and a complete ban in 1977 with the passing of the Toxic Substances Control Act (TSCA). PCBs still persist within the environment and in the buildings constructed prior to 1977. It is mainly found in transformers and other electrical equipment.

Conclusion:

Based on the laboratory analysis, Sample 03 Gray Caulking on Swimming Pool Wall is above the cited limit of 50 ppm for non porous materials. Federal and state regulations require that any building project that disturbs the solid PCB material must be properly abated and disposed of according to EPA 40 CFR Part 761.

If you have any questions concerning this report, please call.

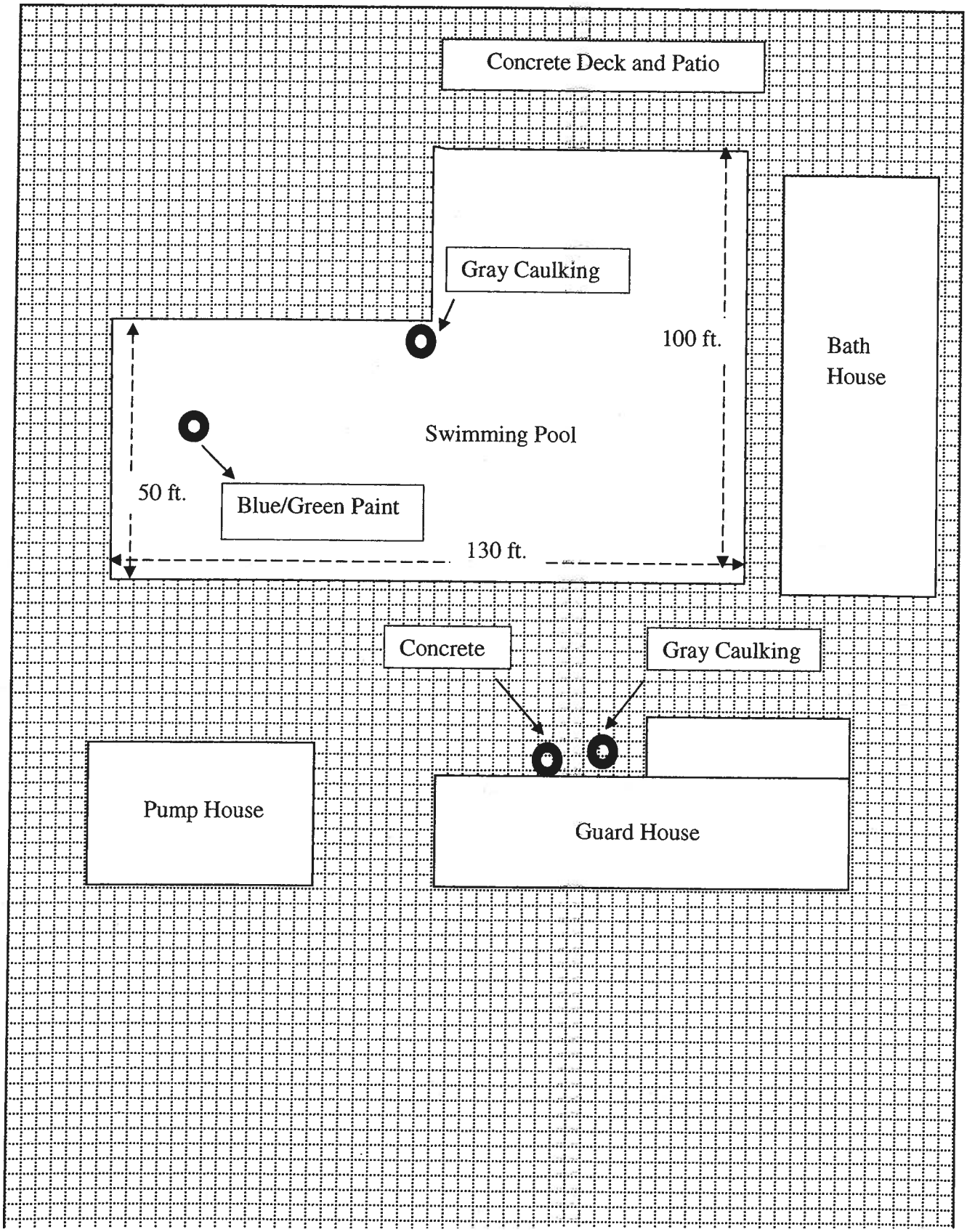
Sincerely,
YEE CONSULTING GROUP, INC.

Rockey Chan

Rockey Chan
Environmental Consultant

Enclosures

Andrew Petro Memorial Pool Southbridge, MA



ALPHA ANALYTICAL

Eight Walkup Drive
Westborough, Massachusetts 01581-1019
(508) 898-9220 www.alphalab.com
MA:M-MA086 NH:2003 CT:PH-0574 ME:MA0086 RI:LA000065 NY:11148 NJ:MA935 Army:USACE

CERTIFICATE OF ANALYSIS

Client: Yee Consulting Group, Inc.

Address: 378 Page Street
Suite 14D
Stoughton, MA 02072

Attn: Mr. Rocky Chan

Project Number: 8922

Laboratory Job Number: L0818597

Date Received: 18-DEC-2008

Date Reported: 30-DEC-2008

Delivery Method: Client

Site: DCR

ALPHA SAMPLE NUMBER	CLIENT IDENTIFICATION	SAMPLE LOCATION
L0818597-01	01 GREY EXTERIOR CAULKING	ANDREWS PETRO POOL
L0818597-02	02 CEMENT DECKING	ANDREWS PETRO POOL
L0818597-03	03 GREY CAULKING SWIMMING POOL	ANDREWS PETRO POOL
L0818597-04	04 BLUE GREEN PAINT	ANDREWS PETRO POOL

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized by: Elizabeth A. Simmons
Technical Representative

ALPHA ANALYTICAL

ANALYTICAL REPORT

Lab Number:	L0906989
Client:	Yee Consulting Group 378 Page Street Suite 14D Stoughton, MA 02072
ATTN:	Rocky Chan
Project Name:	DCR ANDREW PETRO SWIMMING POOL
Project Number:	8922
Report Date:	06/08/09

Certifications & Approvals: MA (M-MA086), NY NELAC (11148), CT (PH-0574), NH (2003), NJ (MA935), RI (LAO00065), ME (MA0086), PA (Registration #68-03671), USDA (Permit #S-72578), US Army Corps of Engineers, Naval FESC.

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: DCR ANDREW PETRO SWIMMING POOL
Project Number: 8922

Lab Number: L0906989
Report Date: 06/08/09

Alpha Sample ID	Client ID	Sample Location	Collection Date/Time
L0906989-01	#1: LEFT POOL WALL	SOUTHBRIDGE, MA	06/01/09 09:10
L0906989-02	#2: MIDDLE POOL WALL	SOUTHBRIDGE, MA	06/01/09 09:12
L0906989-03	#3: RIGHT POOL WALL	SOUTHBRIDGE, MA	06/01/09 09:14

Project Name: DCR ANDREW PETRO SWIMMING POOL **Lab Number:** L0906989
Project Number: 8922 **Report Date:** 06/08/09

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet all of the requirements of NELAC, for all NELAC accredited parameters. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

For additional information, please contact Client Services at 800-624-9220.

Sample Receipt

The samples were received at the laboratory above the required temperature range. The samples were delivered directly from the sampling site but were not on ice.

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. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Michelle M. Morris

Title: Technical Director/Representative Date: 06/08/09

ORGANICS

PCBS

Project Name: DCR ANDREW PETRO SWIMMING POOL
Project Number: 8922

Lab Number: L0906989
Report Date: 06/08/09

SAMPLE RESULTS

Lab ID:	L0906989-01	Date Collected:	06/01/09 09:10
Client ID:	#1: LEFT POOL WALL	Date Received:	06/01/09
Sample Location:	SOUTHBRIDGE, MA	Field Prep:	Not Specified
Matrix:	Wipe	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	06/05/09 12:04
Analytical Date:	06/08/09 17:50	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/07/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
PCB by GC - Westborough Lab					
Aroclor 1016	ND		ug Abs	0.500	1
Aroclor 1221	ND		ug Abs	0.500	1
Aroclor 1232	ND		ug Abs	0.500	1
Aroclor 1242	ND		ug Abs	0.500	1
Aroclor 1248	ND		ug Abs	0.500	1
Aroclor 1254	ND		ug Abs	0.500	1
Aroclor 1260	ND		ug Abs	0.500	1
Aroclor 1262	ND		ug Abs	0.500	1
Aroclor 1268	ND		ug Abs	0.500	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	57		30-150	A
Decachlorobiphenyl	87		30-150	A
2,4,5,6-Tetrachloro-m-xylene	58		30-150	B
Decachlorobiphenyl	93		30-150	B

Project Name: DCR ANDREW PETRO SWIMMING POOL **Lab Number:** L0906989

Project Number: 8922 **Report Date:** 06/08/09

SAMPLE RESULTS

Lab ID:	L0906989-02	Date Collected:	06/01/09 09:12
Client ID:	#2: MIDDLE POOL WALL	Date Received:	06/01/09
Sample Location:	SOUTHBRIDGE, MA	Field Prep:	Not Specified
Matrix:	Wipe	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	06/05/09 12:04
Analytical Date:	06/08/09 18:02	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/07/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
PCB by GC - Westborough Lab					
Aroclor 1016	ND		ug Abs	0.500	1
Aroclor 1221	ND		ug Abs	0.500	1
Aroclor 1232	ND		ug Abs	0.500	1
Aroclor 1242	ND		ug Abs	0.500	1
Aroclor 1248	ND		ug Abs	0.500	1
Aroclor 1254	ND		ug Abs	0.500	1
Aroclor 1260	ND		ug Abs	0.500	1
Aroclor 1262	ND		ug Abs	0.500	1
Aroclor 1268	ND		ug Abs	0.500	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		30-150	A
Decachlorobiphenyl	84		30-150	A
2,4,5,6-Tetrachloro-m-xylene	63		30-150	B
Decachlorobiphenyl	99		30-150	B

Project Name: DCR ANDREW PETRO SWIMMING POOL
Project Number: 8922

Lab Number: L0906989
Report Date: 06/08/09

SAMPLE RESULTS

Lab ID:	L0906989-03	Date Collected:	06/01/09 09:14
Client ID:	#3: RIGHT POOL WALL	Date Received:	06/01/09
Sample Location:	SOUTHBRIDGE, MA	Field Prep:	Not Specified
Matrix:	Wipe	Extraction Method:	EPA 3540C
Analytical Method:	1,8082	Extraction Date:	06/05/09 12:04
Analytical Date:	06/08/09 18:14	Cleanup Method1:	EPA 3665A
Analyst:	SH	Cleanup Date1:	06/07/09

Parameter	Result	Qualifier	Units	RDL	Dilution Factor
PCB by GC - Westborough Lab					
Aroclor 1016	ND		ug Abs	0.500	1
Aroclor 1221	ND		ug Abs	0.500	1
Aroclor 1232	ND		ug Abs	0.500	1
Aroclor 1242	ND		ug Abs	0.500	1
Aroclor 1248	ND		ug Abs	0.500	1
Aroclor 1254	ND		ug Abs	0.500	1
Aroclor 1260	ND		ug Abs	0.500	1
Aroclor 1262	ND		ug Abs	0.500	1
Aroclor 1268	ND		ug Abs	0.500	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	50		30-150	A
Decachlorobiphenyl	59		30-150	A
2,4,5,6-Tetrachloro-m-xylene	51		30-150	B
Decachlorobiphenyl	73		30-150	B

Project Name: DCR ANDREW PETRO SWIMMING POOL **Lab Number:** L0906989

Project Number: 8922 **Report Date:** 06/08/09

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8082
Analytical Date: 06/08/09 17:13
Analyst: SH

Extraction Method: EPA 3540C
Extraction Date: 06/05/09 12:04
Cleanup Method1: EPA 3665A
Cleanup Date1: 06/07/09

Parameter	Result	Qualifier	Units	RDL
PCB by GC - Westborough Lab for sample(s): 01-03 Batch: WG365448-1				
Aroclor 1016	ND		ug Abs	0.500
Aroclor 1221	ND		ug Abs	0.500
Aroclor 1232	ND		ug Abs	0.500
Aroclor 1242	ND		ug Abs	0.500
Aroclor 1248	ND		ug Abs	0.500
Aroclor 1254	ND		ug Abs	0.500
Aroclor 1260	ND		ug Abs	0.500
Aroclor 1262	ND		ug Abs	0.500
Aroclor 1268	ND		ug Abs	0.500

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	47		30-150	A
Decachlorobiphenyl	72		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	84		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: DCR ANDREW PETRO SWIMMING POOL

Project Number: 8922

Lab Number: L0906989

Report Date: 06/08/09

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
PCB by GC - Westborough Lab Associated sample(s): 01-03 Batch: WG365448-2 WG365448-3					
Aroclor 1016	75	90	40-140	18	50
Aroclor 1260	67	74	40-140	10	50

Surrogate	LCS %Recovery	Qualifier	LCSD %Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	63		65		30-150	A
Decachlorobiphenyl	71		71		30-150	A
2,4,5,6-Tetrachloro-m-xylene	69		70		30-150	B
Decachlorobiphenyl	89		88		30-150	B

Project Name: DCR ANDREW PETRO SWIMMING POOL
Project Number: 8922

Lab Number: L0906989
Report Date: 06/08/09

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	pH	Temp	Pres	Seal	Analysis
L0906989-01A	Amber 100ml Hexane preserved	A	N/A	21	Y	Absent	PCB-8082(14)
L0906989-02A	Amber 100ml Hexane preserved	A	N/A	21	Y	Absent	PCB-8082(14)
L0906989-03A	Amber 100ml Hexane preserved	A	N/A	21	Y	Absent	PCB-8082(14)

*Hold days indicated by values in parentheses

Project Name:	DCR ANDREW PETRO SWIMMING POOL	**Lab Number:**	L0906989
Project Number:	8922	**Report Date:**	06/08/09

GLOSSARY

Acronyms

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

ND - Not detected at the reported detection limit for the sample.

NI - Not Ignitable.

RDL - Reported Detection Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Data Qualifiers

* - The batch duplicate RPD exceeds the acceptance criteria. This flag is not applicable when the sample concentrations are less than 5x the RDL. (Metals only.)

A - Spectra identified as "Aldol Condensation Product".

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

N - The matrix spike recovery exceeds the acceptance criteria. This flag is not applicable when the sample concentration is greater than 4x the spike added. (Metals only.)

P - The RPD between the results for the two columns exceeds the method-specified criteria.

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

J - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).

Report Format: Data Usability Report

Project Name:	DCR ANDREW PETRO SWIMMING POOL	**Lab Number:**	L0906989
Project Number:	8922	**Report Date:**	06/08/09

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IIIA, 1997.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Woods Hole Labs shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Woods Hole Labs.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certificate/Approval Program Summary

Last revised February 18, 2009 - Westboro Facility

The following list includes only those analytes/methods for which certification/approval is currently held.
For a complete listing of analytes for the referenced methods, please contact your Alpha Customer Service Representative.

Connecticut Department of Public Health Certificate/Lab ID: PH-0574.

Drinking Water (Inorganic Parameters: Color, pH, Turbidity, Conductivity, Alkalinity, Chloride, Free Residual Chlorine, Fluoride, Calcium Hardness, Sulfate, Nitrate, Nitrite, Aluminum, Antimony, Arsenic, Barium, Beryllium, Cadmium, Calcium, Chromium, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Vanadium, Zinc, Total Dissolved Solids, Total Organic Carbon, Total Cyanide, Perchlorate. Organic Parameters: Haloacetic Acids, Volatile Organics 524.2, Total Trihalomethanes 524.2, 1,2-Dibromo-3-chloropropane (DBCP), Ethylene Dibromide (EDB).)
Wastewater/Non-Potable Water (Inorganic Parameters: Color, pH, Conductivity, Acidity, Alkalinity, Chloride, Total Residual Chlorine, Fluoride, Total Hardness, Calcium Hardness, Silica, Sulfate, Sulfide, Ammonia, Kjeldahl Nitrogen, Nitrate, Nitrite, O-Phosphate, Total Phosphorus, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, Zinc, Total Residue (Solids), Total Dissolved Solids, Total Suspended Solids (non-filterable), BOD, CBOD, COD, TOC, Total Cyanide, Phenolics, Foaming Agents (MBAS), Bromide, Oil and Grease. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Acid Extractables (Phenols), Benzidines, Phthalate Esters, Nitrosamines, Nitroaromatics & Isophorone, Polynuclear Aromatic Hydrocarbons, Haloethers, Chlorinated Hydrocarbons, Volatile Organics.)
Solid Waste/Soil (Inorganic Parameters: Lead in Paint, pH, Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Hexavalent Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Selenium, Silver, Sodium, Thallium, Tin, Vanadium, Zinc, Total Cyanide, Ignitability, Phenolics, Corrosivity, TCLP Leach (1311), Reactivity. Organic Parameters: PCBs, Organochlorine Pesticides, Technical Chlordane, Toxaphene, Extractable Petroleum Hydrocarbons (ETPH), Dicamba, 2,4-D, 2,4,5-T, 2,4,5-TP(Silvex), Volatile Organics, Acid Extractables (Phenols), 3.3'-Dichlorobenzidine, Phthalates, Nitrosamines, Nitroaromatics & Cyclic Ketones, PAHs, Haloethers, Chlorinated Hydrocarbons.)

Maine Department of Human Services Certificate/Lab ID: MA0086.
Drinking Water (Inorganic Parameters: SM9215B, 9221E, 9222B, 9222D, 9223B, EPA 150.1, 180.1, 300.0, 353.2, SM2130B, 2320B, 4500Cl-D, 4500CN-C, 4500CN-E, 4500F-C, 4500H+B,4500NO3-F, EPA 200.7, EPA 200.8, 245.1. Organic Parameters: 504.1, 524.2, SM 6251B.)
Wastewater/Non-Potable Water (Inorganic Parameters: EPA 120.1, 1664A, 350.1, 351.1, 353.2, 410.4, 420.1, Lachat 10-107-06-1-B, SM2320B, 2340B, 2510B, 2540C, 2540D, 426C, 4500Cl-D, 4500Cl-E, 4500CN-C, 4500CN-E, 4500F-B, 4500F-C, 4500H+B, 4500Norg-B, 4500Norg-C, 4500NH3-B, 4500NH3-G, 4500NH3-H, 4500NO3-F, 4500P-B.5, 4500P-E, 5210B, 5220D, 5310C, EPA 200.7, 200.8, 245.1. Organic Parameters: 608, 624.)

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Inorganic Parameters: (EPA 200.8 for: Sb,As,Ba,Be,Cd,Cr,Cu,Pb,Ni,Se,Tl)
(EPA 200.7 for: Ba,Be,Ca,Cd,Cr,Cu,Na,Ni) 245.1, (300.0 for: Nitrate-N, Nitrite-N, Fluoride, Sulfate)
353.2 for: Nitrate-N, Nitrite-N; SM4500NO3-F, 4500F-C, 4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, 2320B, SM2540C, EPA 150.1, SM4500H-B.
Organic Parameters: (EPA 524.2 for: Trihalomethanes, Volatile Organics)
(504.1 for: 1,2-Dibromoethane, 1,2-Dibromo-3-Chloropropane), SM6251B, 314.0.

Non-Potable Water
Inorganic Parameters:, (EPA 200.8 for: Al,Sb,As,Be,Cd,Cr,Cu,Pb,Mn,Ni,Se,Ag,Tl,Zn)
(EPA 200.7 for: Al,Sb,As,Be,Cd,Cr,Co,Cu,Fe,Pb,Mn,Mo,Ni,Se,Ag,Sr,Tl,Ti,V,Zn,Ca,Mg,Na,K)
245.1, SM4500H,B, EPA 120.1, SM2510B, 2540C, 2540B, 2320B, 4500CL-E, 4500F-BC, 426C, SM4500NH3-BH, (EPA 350.1 for: Ammonia-N), LACHAT 10-107-06-1-B for Nitrate-N, SM4500NO3-F, 353.2 for Nitrate-N, SM4500NH3-B,C-Titr, SM4500NH3-BC-NES, EPA 351.1, SM4500P-E, 4500P-B,E, 5220D, EPA 410.4, SM 5210B, 5310C, 4500CN-CE, 2540D, 4500CL-D, EPA 1664, SM14 510AC, EPA 420.1
Organic Parameters: (EPA 624 for Volatile Halocarbons, Volatile Aromatics)
(608 for: Chlordane, Aldrin, Dieldrin, DDD, DDE, DDT, Heptachlor, Heptachlor Epoxide, PCB-Water)
600/4-81-045-PCB-Oil

Massachusetts Department of Environmental Protection Certificate/Lab ID: M-MA086.
Drinking Water
Microbiology Parameters: SM9215B; MF-SM9222B; ENZ. SUB. SM9223; EC-SM9221E; MF-SM9222D; ENZ. SUB. SM9223;

New Hampshire Department of Environmental Services Certificate/Lab ID: 200307.
Drinking Water (Inorganic Parameters: SM6215B, 9222B, 9223B Colilert, EPA 200.7, 200.8, 245.2, 110.2, 120.1, 150.1, 300.0, 325.2, 314.0, SM4500CN-E, 4500H+B, 4500NO3-F, 2320B, 2510B, 2540C, 4500F-C, 5310C, 2120B, EPA 331.0. Organic Parameters: 504.1, 524.2, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9222D, 9221B, 9222B, 9221E-EC, EPA 200.7, 200.8, 245.1, 245.2, SW-846 6010B, 6020, 7196A, 7470A, SM3500-CR-D, EPA 120.1, 150.1, 300.0, 305.1, 310.1, 325.2, 340.2, 350.1, 350.2, 351.1, 353.2, 354.1, 365.2, 375.4, 376.2, 405.1, 415.1, 420.1, 425.1, 1664A, SW-846 9010, 9030, 9040B, EPA 160.1, 160.2, 160.3, SM426C, SM2310B, 2540B, 2540D, 4500H+B, 4500NH3-H, 4500NH3-E, 4500NO2-B, 4500P-E, 4500-S2-D, 5210B, 2320B, 2540C, 4500F-C, 5310C, 5540C, LACHAT 10-117-07-1-B, LACHAT 10-107-06-1-B, LACHAT 10-107-04-1-C, LACHAT 10-107-04-1-J, LACHAT 10-117-07-1-A, SM4500CL-E, LACHAT 10-204-00-1-A, LACHAT 10-107-06-2-D. Organic Parameters: SW-846 3005A, 3015A, 3510C, 5030B, 8021B, 8260B, 8270C, 8330, EPA 624, 625, 608, SW-846 8082, 8081A.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 6010B, 7196A, 7471A, 7.3.3.2, 7.3.4.2, 1010, 1030, 9010, 9012A, 9014, 9030B, 9040, 9045C, 9050C, 1311, 3005A, 3050B, 3051A. Organic Parameters: SW-846 3540C, 3545, 3580A, 5030B, 5035, 8021B, 8260B, 8270C, 8330, 8151A, 8082, 8081A.)

New Jersey Department of Environmental Protection Certificate/Lab ID: MA935.
Drinking Water (Inorganic Parameters: SM9222B, 9221E, 9223B, 9215B, 4500NO3-F, 4500F-C, EPA 300.0, 200.7, 2540C, 2320B, 314.0, 331.0, 110.2, SM2120B, 2510B, 5310C, EPA 150.1, SM4500H-B, EPA 200.8, 245.2. Organic Parameters: 504.1, SM6251B, 524.2.)
Non-Potable Water (Inorganic Parameters: SM5210B, EPA 410.1, SM5220D, 4500Cl-D, EPA 300.0, SM2120B, SM4500F-BC, EPA 200.7, 351.1, LACHAT 10-107-06-2-D, EPA 353.2, SM4500NO3-F, 4500NO2-B, EPA 1664A, SM5310B, C or D, 4500-PE, EPA 420.1, SM4500P-B5+E, 2540B, 2540C, 2540D, EPA 120.1, SM2510B, SM15 426C, SM9221CE, 9222D, 9221B, 9222B, 9215B, 2310B, 2320B, 4500NH3-H, EPA 350.2/.1, SM5210B, SW-846 3015, 6020, 7470A, 5540C, 4500H-B, EPA 200.8, SM3500Cr-D, EPA 245.1, 245.2, SW-846 9040B, 3005A, EPA 6010B, 7196A, SW-846 9010B, 9030B. Organic Parameters: SW-846 8260B, 8270C, 3510C, EPA 608, 624, 625, SW-846 5030B, 8021B, 8081A, 8082, 8151A, 8330.)
Solid & Chemical Materials (Inorganic Parameters: SW-846 9040B, 3005A, 6010B, 7196A, 5030B, 9010B, 9030B, 1030, 1311, 3050B, 3051, 7471A, 9014, 9012A, 9045C, 9050A, 9065. Organic Parameters: SW-846 8021B, 8081A, 8082, 8151A, 8330, 8260B, 8270C, 1311, 3540C, 3545, 3550B, 3580A, 5035L, 5035H.)

New York Department of Health Certificate/Lab ID: 11148.
Drinking Water (Inorganic Parameters: SM9223B, 9222B, 8215B, EPA 200.8, 200.7, 245.2, SM5310C, EPA 314.0, 331.0, SM2320B, EPA 300.0, 325.2, 110.2, SM2120B, 4500CN-E, 4500F-C, EPA 150.1, SM4500H-B, 4500NO3-F, 2540C, EPA 120.1, SM 2510B. Organic Parameters: EPA 524.2, 504.1, SM6251B.)
Non-Potable Water (Inorganic Parameters: SM9221E, 9222D, 9221B, 9222B, 9215B, EPA 405.1, SM5210B, EPA 410.4, SM5220D, EPA 305.1, SM2310B-4a, EPA 310.1, SM2320B, EPA 200.7, 300.0, 325.2, LACHAT 10-117-07-1A or B, SM4500Cl-E, EPA 340.2, SM4500F-C, EPA 375.4, SM15 426C, EPA 350.1, 350.2, LACHAT 10-107-06-1-B, SM4500NH3-H, EPA 351.1, LACHAT 10-107-06-2, EPA 353.2, LACHAT 10-107-041-C, SM4500-NO30F, EPA 354.1, SM4500-NO2-B, EPA 365.2, SM4500P-E, EPA 160.3, SM2540B, EPA 160.1, SM2540C, EPA 160.2, SM2540D, EPA 200.8, EPA 6010B, 6020, EPA 7196A, S\M3500Cr-D, EPA 245.1, 245.2, 7470A, 110.2, SM2120B, 335.2, LACHAT 10-204-00-1-A, EPA 150.1, 9040B, SM4500-HB, EPA 1664A, EPA 415.1, SM5310C, EPA 420.1, SM14 510C, EPA 120.1, SM2510B, EPA 376.2, SM4500S-D, EPA 425.1, SM5540C, EPA 3005A, 3015. Organic Parameters: EPA 624, 8260B, 8270C, 625, 608, 8081A, 8151A, 8330, 8082, 8021B, EPA 3510C, 5030B, 9010B, 9030B.)
Solid & Hazardous Waste (Inorganic Parameters: EPA 9040B, 9045C, 1010, 1030, SW-846 Ch 7 Sec 7.3, EPA 6010B, 7196A, 7471A, 9012A, 9014, 9040B, 9045C, 9065, 9050, EPA 1311, 3005A, 3050B, 3051, 9010B, 9030B. Organic Parameters: EPA 8260B, 8270C, 8081A, 8151A, 8330, 8082, 8021B, 3540C, 3545, 3580, 5030B, 5035.)
Analytical Services Protocol: CLP Volatile Organics, CLP Inorganics, CLP PCB/Pesticides.

Rhode Island Department of Health Certificate/Lab ID: LAO00065.
Refer to MA-DEP Certificate for Potable and Non-Potable Water.
Refer to NY-DOH Certificate for Potable and Non-Potable Water.

Pennsylvania Department of Environmental Protection Certificate/Lab ID : 68-03671. Registered Laboratory.

06080920:41

CHAIN OF CUSTODY

PAGE 1 OF 1

ALPHA ANALYTICAL

WESTBORO, MA TEL: 508-898-9220 FAX: 508-898-9193

MANSFIELD, MA TEL: 508-822-9300 FAX: 508-822-3288

Date Rec'd in Lab: 6/1/09

ALPHA Job #: L0906889

Client Information

Client: Yee Consulting Group, Inc.

Address: 378 Page St. Unit HD Stoughton MA 02072

Phone: 781.344.3556

Fax: 781.344.9525

Email: ycgi994@aol.com

☐ These samples have been previously analyzed by Alpha

Project Information

Project Name: OCR Andrew Petrol Swimming Pool

Project Location: Southbridge MA

Project #: 8972

Project Manager: Rockey Chan

ALPHA Quote #:

Turn-Around Time

☒ Standard ☐ RUSH (only confirmed / pre-approved!)

Date Due: 6/8/09 Time:

Report Information - Data Deliverables

☐ FAX ☒ EMAIL

☐ ADEx ☐ Add'l Deliverables

Billing Information

☒ Same as Client info PO #:

Regulatory Requirements/Report Limits

State /Fed Program | Criteria

MA MCP PRESUMPTIVE CERTAINTY — CT REASONABLE CONFIDENCE PROTOCOLS

☐ Yes ☒ No Are MCP Analytical Methods Required?

☐ Yes ☐ No Are CT RCP (Reasonable Confidence Protocols) Required?

Other Project Specific Requirements/Comments/Detection Limits:

SAMPLE HANDLING

Filtration
☐ Done
☐ Not needed
☐ Lab to do

Preservation
☐ Lab to do
(Please specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	ANALYSIS: Soxlet PCB	Sample Specific Comments	TOTAL # BOTTLES
6989.1	#1: Left Pool Wall	6/1/09	0910	wipe	R.C	✓		
.2	#2: Middle Pool Wall	6/1/09	0912	wipe	R.C	✓		
.3	#3: Right Pool Wall	6/1/09	0914	wipe	R.C	✓		

Container Type	G
Preservative	0

Hexane

PLEASE ANSWER QUESTIONS ABOVE!

IS YOUR PROJECT MA MCP or CT RCP?

Relinquished By:	Date/Time	Received By:	Date/Time
Rockey Chan	6/1/09 10:30	[illegible]	6/1/09 10:30

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. All samples submitted are subject to Alpha's Payment Terms. See reverse side.

FORM NO: 01-01 (rev. 30-JUL-07)

600 West Cummings Park, Suite 5450
Woburn, Massachusetts 01801
www.atcassociates.com
781.932.9400
Fax 781.932.6211

February 1, 2012

Kim Tisa, PCB Coordinator
U.S. Environmental Protection Agency, Region 1
5 Post Office Square, Suite 100
Mail Code: OSRR07-2
Boston, Massachusetts 02109-3912

Via e-mail and Overnight Mail

Re: Modification to Notification of TSCA Self-Implementing Clean-up of PCBs
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550
ATC Project No. 060.29841.0002

Dear Ms. Tisa:

On behalf of the Massachusetts Department of Conservation and Recreation (DCR), this letter is submitted to serve as a modification to the Notification of TSCA Self-Implementing Clean-up of PCBs (ATC, October 24, 2011) ("Notification") submitted October 31, 2011, for the Andrew J. Petro Swimming Pool at Randolph Street, Southbridge, Massachusetts (the "Site"). Since Notification submittal, additional sampling and laboratory analysis for PCBs has been completed. The additional data demonstrates that impacts from PCB containing building sealants on the pool buildings' masonry are more extensive than originally believed. It is therefore not feasible to remove all masonry with PCB concentrations greater than 1 ppm as proposed in the Notification. Instead, a risk-based clean-up of PCBs will be performed and the majority of masonry with PCB concentrations greater than 1 ppm will be encapsulated as detailed herein This letter presents the additional information required to support a risk-based clean-up of PCBs under 40 CFR 761.61(c) for United States Environmental Protection Agency (EPA) review and approval.

The DCR is ready to proceed with implementing the modified Notification upon receipt of the EPA's approval of this submittal. Following are the results from the sampling completed since Notification submittal and the additional information required to support a risk-based clean-up of PCBs submittal in accordance with 40 CFR 761.61(c). This letter also provides response to preliminary comments on the Notification provided by your office in a December 6, 2011, e-mail to Robert Lowell, DCR.

Response to EPA's Preliminary Comments

The following presents each EPA comment from the December 6, 2011, e-mail in italics followed by ATC's response.

1. General comments:

a. The definitions of PCB bulk product waste and PCB remediation waste found in § 761.3 have not been consistently applied to the PCB wastes identified in the Notification.

i. The PCB concentration of greater than or equal to (≥) 50 or less than (<) 50 parts per million (ppm), is not the deciding parameter for classification. For example, in Table 2, Guard House concrete would be considered a PCB remediation waste, not a PCB bulk product waste. However, PCB-containing caulk could be a PCB remediation waste if it was not the original product

and was contaminated by another PCB source. Fact sheets pertaining to PCB bulk product waste and PCB remediation waste may be found on EPA's website at http://www.epa.gov/epawaste/hazard/tsd/pcbs/pubs/caulk/caulkremoval.htm.

ii. To avoid confusion, terms used within the Notification should be consistent with the PCB regulations and fact sheets.

ATC response: The waste classifications cited by the EPA were used in developing the Notification. Where the Notification states that PCB Remediation Waste will be managed as if it were PCB Bulk Product Waste the intent was for the PCB Remediation Waste to be managed as if it contains > 50 ppm PCBs. This modification and associated revised Table 2 has been prepared not using this nomenclature and to be consistent with the terms used by the EPA. This modification will be provided to the abatement contractor to help ensure this fact is understood.

b. For future submissions, please provide figures at a scale that can be easily read. Figures 2 through 5 are much too small.

ATC Response: The enclosed revised Figures have been produced at a larger scale. Note that the text that cannot be read is related to building renovation work that does not relate to PCB abatement.

c. In future Notifications please provide photographs that display representative caulk and substrate locations.

ATC Response: Available photographs are enclosed.

2. Specific comments:

a. Page 5. Section 2.3.3. Last paragraph. Please be aware that EPA has revised its 1997 concrete sampling procedure. A copy of the revised SOP, Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs) Revision 4, May 5, 2011, is included for reference and for use in future sampling.

ATC Response: Comment noted. The revised SOP was referenced during the October 2011 sampling effort.

b. Page 7.

i. Section 3. The information provided seems to infer that the only criterion for an Excluded PCB Product is the < 50 ppm PCB concentration. By definition at § 761.3, Excluded PCB products include requirements that must be met in addition the requirement that the PCB concentrations are < 50 ppm. If the PCB containing product does not meet all of these requirements, it is still considered a regulated waste under 40 CFR 761 for purposes of cleanup and disposal. Insufficient justification has been provided to support the Excluded PCB product definition for all PCB wastes.

ATC Response: In addition to the primary requirement of CFR 761.3 that a material have a PCB concentration < 50 ppm to meet the definition of an Excluded PCB Product, ATC used the relevant inclusionary requirements associated with the definition. These were:

- Based upon an evaluation of material setting and analytical data concluding that the material was not impacted by a PCB Bulk Product;
- Using site history to conclude that the material was put in service prior to October 1, 1984; and

- Finding no record of a PCB-containing fluid release at the building.

In addition, for every material where PCBs were detected and ATC has classified it as an Excluded PCB Product, three or more samples were analyzed.

ii. Section 3.1 Pool Deck.

1. Paragraph 2. How can the determination be made that the gray caulk does not contain PCBs ≥ 1 ppm if the laboratory detection limit was > 1 ppm.

ATC Response: This determination was based upon the fact that PCBs were not detected in any of the 5 samples submitted for laboratory analysis. Detection limits for these samples were < 1 ppm for 3 samples (ranging from 0.0651 to 0.91 ppm), 1.670 ppm and 11.8 ppm. Based upon this data and the factors cited in the above response, ATC concludes this material does not contain PCBs at ≥ 1 ppm.

Note that the referenced paragraph should read as follows:

> All the samples from the gray caulk were non-detect with detection levels ranging from 0.0651 to 11.8 ppm. Based upon the fact that PCBs were not observed above any detection limit in all 5 samples, ATC concludes that this material does not contain PCBs ≥ 1 ppm and can be managed as general demolition debris. ~~, with the exception of the limited area adjacent to the Guard House discussed in Section 3.4.~~

2. Paragraph 3. It is unclear what is meant by sentence 4.

ATC Response: The last two paragraphs of the cited Section 3.1 have been revised and are presented below.

> A total of ten (10) samples of the black sealant were analyzed. This material was a different texture and consistency than other black caulks present at the Site. PCB concentrations ranged from non-detect with a 0.90 ppm detection limit to 34 ppm. Only two samples had PCBs present at a concentration greater than 10 ppm. In addition, none of the concrete deck samples adjacent to this caulk had detectable PCB concentrations, with detection limits ranging from 0.091 to 0.100 ppm. ATC concludes that the black caulk is an Excluded PCB Product. However, as a conservative measure it will be removed and managed off-Site as a material containing > 50 ppm PCBs.
>
> As a further confirmatory step, ATC collected three (3) bulk concrete deck samples adjacent to the areas where the highest PCBs levels were observed on October 18, 2011 (PDJC-A, B and C). All results were non-detect which agrees with the non-detect values for the previous five (5) concrete deck samples. Detection limits ranged from 0.091 ppm to 0.100 ppm. ATC therefore concludes that the concrete deck can be managed as general demolition debris, with the exception of one foot from the Guard House exterior sealant. This area will be managed as PCB Remediation Waste (See Section 3.4).

c. Page 8. Section 3.2. Main Pool. The last sentence states that ATC's plan is to manage the caulk as a PCB Remediation Waste. How will this caulk be disposed of (e.g. ≥ 50 ppm PCB waste or > 1 but < 50 PCB waste?) Also see comment 1a, above.

ATC Response: As discussed in the following sections, the vertical caulk is being reclassified as PCB Bulk Product Waste and will be managed as containing PCBs > 50 ppm. See attached Table 1 for information on how each Main Pool caulk will be managed.

Additional Sampling

Section 4.1.1 of the Notification included proposed additional sampling to confirm the extent of PCB impacts and that appropriate waste management designations were utilized. ATC collected samples of sealants and adjacent building materials for PCB analysis October 18 and 19, 2011, as proposed in Section 4.1.1 and summarized below. Approximate sample locations are shown on the revised Figures 2, 4 and 5.

Concrete Pool Deck

Three (3) concrete pool deck samples (PDJC-A through C) were collected from adjacent to where the highest expansion joint PCB concentrations were observed to confirm that the concrete deck was not impacted by the caulk and can be managed as demolition debris.

- PDJC-A was collected adjacent to PDB-A and A1;
- PDJC-B was collected adjacent to PDB-14; and
- PDJC-C was collected adjacent to PDB-1.

Main Pool

One (1) additional main pool stair caulk sample (PBS-E) to confirm the caulk associated with the PBS-C and PBS-D is an Excluded PCB Product.

Three (3) main pool vertical caulk samples were collected to evaluate if this material is a PCB Remediation Waste impacted by the sill caulk or a PCB Bulk Product Waste. One (1) was collected from within one foot of the pool gutter sill caulk (PVS-A) and two (2) were collected from the wall mid-point (PVS-B and PVS-C).

Concrete samples from six inches on each side of the two of the main pool vertical caulk joints for a total of four (4) samples (PVSC-A through D 6”) to confirm that concrete is not impacted by PCBs at 6-inches or more from a vertical pool caulk joint. Four (4) additional samples will be collected as abatement progresses to provide the full sampling effort proposed for this setting in the Notification.

Guard House

An interior and exterior masonry wall sample from adjacent to the door jamb (GHDIC and GHDEC, respectively) was collected to determine if the adjacent masonry is PCB Remediation Waste.

Ten (10) interior concrete floor samples 12 inches from the PCB Bulk Product caulk approximately every 20 linear feet (GHFI-A,B, and D through K 12”) to determine the extent of PCB impacts.

Eight (8) interior CMU wall samples one CMU block distance from the PCB Bulk Product caulk (approximately every twenty linear feet of PCB Bulk Product caulk) (GHWI-D through K 1 Block) to determine the extent of PCB impacts.

Bath House

An interior and exterior masonry wall sample from adjacent to the door jamb (BHDIC and BHDEC, respectively) was collected to determine if the adjacent masonry is PCB Remediation Waste.

Ten (10) interior concrete floor samples 18 inches from the PCB Bulk Product caulk were collected to further evaluate the extent of PCB impacts (Samples BHFI-C through L 18”); and

Ten (10) interior CMU wall samples two CMU blocks from the PCB Bulk Product caulk were collected to further evaluate the extent of PCB impacts (Samples BHWI-C through L 2 Blocks).

In summary, at total of four (4) sealant samples and fifty-one (51) concrete/CMU samples were submitted for PCB laboratory analysis.

Sealant samples were collected with hand tools (i.e. screwdriver, hammer, pliers, chisel, etc.). Concrete and CMU samples were collected with hand tools and power hand tools in general accordance with Region I, EPA-New England, *Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls* (May 2011). In some cases masonry chips were collected in the field and crushed to a powder by the laboratory. Tools were decontaminated with hexane wetted rags between uses. Wipe samples were collected in general accordance with the *Wipe Sampling and Double Wash/Rinse Cleanup as recommended by the EPA PCB Spill Clean Up Policy* (June 1987, revised April 1991).

All samples were transported under chain-of-custody to Con-Test Analytical Laboratory (Con-Test) of East Longmeadow, Massachusetts for laboratory analysis. Samples were analyzed following EPA Method 3540C for soxhlet extraction with PCB analysis by EPA Method 8082.

Figure 2 shows all approximate exterior sample locations. Figures 4 and 5 show all approximate interior sample locations. A summary of all ATC generated laboratory results is presented in ***Table 1***. A summary of sampling information, sample type, waste determination for all samples is provided in ***Table 2***. The laboratory report for the October 2011 sampling event is attached.

Additional Sampling Results/Nature and Extent of PCB Contamination

Using all available data, the following revises the nature and extent of PCB contamination presented in Notification Section 3.

Table 2 presents the data associated with each sealant use and adjacent building material properties. ATC utilized laboratory data, sealant physical properties and use to classify a material under TSCA. Materials were placed into one of the following categories:

- PCB Bulk Product Waste: Sealants with PCB concentrations ≥ 50 ppm that is the original PCB source.
- PCB Remediation Waste: PCBs observed at ≥ 1ppm and this comes from a PCB Bulk Product Waste.
- Excluded PCB Product: PCBs not observed in any sample at ≥ 50 ppm and not in direct contact with a PCB Bulk Product Waste.
- Demolition Debris: PCBs not observed in any sample at ≥ 1 ppm.

Table 2 also shows the Waste Management Determination made by ATC. In some cases, a more stringent Waste Management Determination was made due to the anticipated abatement approach, redevelopment plans or as a conservative measure. For example, the black pool deck caulk will be managed as if it contains > 50 ppm even though the highest observed PCB concentration was 34 ppm.

The following is a summary of the findings of the additional sampling event and modifications to the nature and extent of PCBs presented Notification Section 3, if any:

Pool Deck

PCBs were non-detect in three (3) concrete pool deck samples (PDJC-A through C) from adjacent to where the highest expansion joint caulk PCB concentrations were observed (PDB-1, PDB-15, PDB-A, and PDB-A1 with PCB concentrations ranging from 3.08 to 34 ppm). Based on the results of this sampling event, the concrete pool deck will be handled as demolition debris as proposed in Notification Section 4.1.3.

The additional data do not change the conclusions presented in Notification Section 3.1

Main Pool

PCBs were non-detect in the one (1) additional main pool stair caulk sample (PBS-E). The two previous samples from this area (PBS-C and PBS-D) showed PCBs at 14 ppm and non-detect results respectively. The results from the similar pool bottom samples (PBS-1, 3, 6, 7, A, and A1) only reported PCBs in one sample at 1.37 ppm with non-detect results in the remaining five (5) samples. ATC concludes that this material is an Excluded PCB Product. As a conservative measure it will be managed at a facility that can accept PCB Remediation Waste with PCB concentrations < 50 ppm.

In the vertical caulk samples PCBs were non-detect (PVS-B), 3.3 ppm (PVS-A) and 78 ppm (PVS-C). The 78 ppm value was comprised of Aroclor 1248. This is the only location where this Aroclor was observed. Even though the PCB levels observed in the vertical caulk are orders of magnitude lower than what was observed in the pool gutter sill caulk, ATC is conservatively reclassifying the vertical caulk as PCB Bulk Product Waste.

PCBs were non-detect in the four (4) concrete samples from six inches on each side of the two of the main pool vertical caulk joints (PVSC-A through D 6”). This agrees with the eight (8) previous concrete sample results collected within 6-inches from the vertical or gutter PCB Bulk Product Waste caulk which were also non-detect. This data supports managing wall concrete from 6 or more inches away from the caulk as regular demolition debris. Material within 6-inches will be managed as PCB Remediation Waste.

The additional data do not change the conclusions presented in Notification Section 3.2 with the exception that the vertical caulk is conservatively considered PCB Bulk Product Waste.

Guard House

PCBs were detected from 1 ppm to 9.8 ppm in the ten (10) interior CMU wall samples one CMU block from the PCB Bulk Product caulk (GHWI-A through K 1 Block). Based on the results of this sampling event and previous CMU (“concrete”) wall sampling which showed PCB concentrations ranging from non-detect to 740 ppm, all CMU walls in rooms with PCB Bulk Product Waste caulk will be managed as PCB Remediation Waste.

PCBs were detected in the interior masonry wall sample from adjacent to the door jamb (GHDIC) at 1.1 ppm. Due to elevated PCB levels observed at interior walls near other caulks (see above) and as a conservative measure, all interior concrete wall surfaces in rooms with PCB Bulk Product Waste caulk will be managed as PCB Remediation Waste.

PCBs were detected from 0.72 to 11 ppm in the ten (10) interior concrete floor samples 12 inches from the PCB Bulk Product caulk (GHFI-A through K 12”). Based on the results of this sampling and previous sampling which showed PCB concentrations ranging from 0.23 ppm to 1.9 ppm within 6-inches of the floor caulk, all concrete floors in rooms with PCB Bulk Product Waste caulk will be managed as PCB Remediation Waste.

PCBs were detected in the exterior masonry wall sample from adjacent to the door jamb at 0.15 ppm (GHDEC). Based on this results and low PCB level in the exterior door frame caulk, the exterior masonry will be managed as demolition debris.

The additional data do not change the conclusions presented in Notification Section 3.2 as they relate to PCB Bulk Product Waste or exterior conditions. It is conservatively assumed that all masonry floors and walls within rooms where PCB Bulk Product Waste caulks are present will be managed as PCB Remediation Waste.

Bath House

PCB were detected (0.45 to 8.3 ppm) in the ten (10) interior concrete floor samples 18 inches from the PCB Bulk Product caulk (BHFI-C through L 18”). Based on the results of this sampling event and previous results that showed PCB concentrations ranging from 3,300 ppm adjacent to the PCB Bulk Product floor caulk to 0.26 ppm 12 inches from the caulk, as a conservative measure, all interior concrete floor surfaces in rooms with PCB Bulk Product Waste caulk will be managed as PCB Remediation Waste.

PCBs were detected (0.69 to 39 ppm) in the ten (10) interior CMU wall samples two CMU blocks from the PCB Bulk Product caulk (BHWI-C through L 2 Blocks). Based on the results of this sampling event, this material is considered to be PCB Remediation Waste. Based on the results of this sampling event and previous results that showed PCB concentrations ranging from 530 ppm adjacent to the PCB Bulk Product floor caulk to 0.269 ppm 2 CMU blocks from the caulk, as a conservative measure, all interior concrete floor surfaces in rooms with PCB Bulk Product Waste caulk will be managed as PCB Remediation Waste.

PCBs were non-detect in the interior and exterior masonry sample from adjacent to the Bath House door jambs (BHDIC and BHDEC, respectively). Based on these results and the low (4.78 ppm) exterior door caulk PCB concentrations, the exterior concrete is considered to be demolition debris. Due to elevated PCB levels observed at interior walls near other caulks (see above) and as a conservative measure all interior concrete wall surfaces in rooms with PCB Bulk Product Waste caulk will be managed as PCB Remediation Waste.

As with the previous data, Aroclor 1254 was the only Aroclor observed in the samples with the exception of the Main Pool vertical caulk sample (PVS-C), which consisted of Aroclor 1248. Aroclor 1254 is often associated with PCB-containing building materials.

Table 1 also summarizes ATC’s QA/QC review. For Sample PVS-C the surrogate recoveries were not reported. ATC does not believe this is significant since PCBs were reported at 78 ppm, there are other sample results for this material, and this material will be managed as a PCB Bulk Product Waste. Surrogate recoveries where also not achieved in sample BHWI-F 2 Blocks. ATC does not believe this is significant since there are nine (9) other samples that achieved surrogate recovery requirements and all this material is being managed as PCB Remediation Waste. No other significant laboratory QA/QC issues were identified. ATC believes that these QA/QC issues do not significantly impact data quality or usability.

Risk-Based Method for PCB Remediation wastes

In accordance with 40 CFR 761.61(c), a risk-based method for PCB remediation wastes is appropriate for the Site as outlined below. The purpose of this section is to evaluate Site exposures and provide a justification for the controls proposed to address these. This section is intended to place the Site in the context of its environmental setting and the regulatory categories of environmental media set forth in the CFR.

Because all PCB Remediation within the Bath House and Guard House will not be removed and will instead be encapsulated, in accordance with 40 CFR 761.61(c) a human health risk assessment was completed. The

purpose of this risk assessment is to evaluate Site exposures and provide a justification for the controls proposed to address these. The assessment is intended to place the Site in the context of its environmental setting and the regulatory categories of environmental media set forth in the CFR.

PCB Source

The PCB sources are the various caulks identified to be PCB Bulk Product Waste. These source materials have impacted the abutting masonry at levels ≥ 1 ppm.

Potential Human Receptors

Current human receptors who are likely to be present at the Site or in the surrounding environment, and who as a result, would likely be exposed to the PCBs at the Site are considered to be employees, visitors, construction and utility workers, and trespassers. The current likelihood of humans coming in contact with PCBs is considered to be low because the buildings are vacant behind a locked fence and will remain vacant during renovations. The buildings are only occupied on a seasonable basis (typically 12 hours per day for approximately three months). It is unlikely that any member of the public or staff would be present at the Site during this full period.

The proposed PCB Bulk Product removal and coating system was designed to eliminate human exposure to PCBs at the Site.

Potential Exposure Points and Pathways

Potential exposure points in relation to this Modification are locations of potential contact between a human and PCBs. All PCB Bulk Product Waste will be removed. PCB Remediation Waste in the form of masonry will remain. These areas are limited to the interior floors and walls within the Bath House and Guard House. All of these surfaces will receive a multi-layer epoxy based encapsulant. The objective of proposed removal and coating is to eliminate human and environmental exposure pathways to PCBs at these areas.

The PCB Bulk Product removal activities and PCB Remediation Waste coating systems will be shown to be performing adequately to manage residual PCBs in masonry if all wipe samples have concentrations of less than 1 µg/100 cm^2. Due to the limited period of occupancy and fact that the buildings are unheated and not fully weather tight, ATC believes that wipe samples alone are sufficient.

Modifications to Procedures for Implementation

Notification Section 4.1 provided the primary steps for the self-implementing clean-up plan. Based upon the additional data generated since Notification submittal and the change to a risk-based clean-up approach, Notification Section 4.1 is modified as follows:

4.1.1 Site Preparation and Abatement Monitoring

Additional sampling of interior building walls and floors beyond what is presented in this modification will not be performed since these surfaces are being managed as PCB Remediation Waste and will be encapsulated.

The remaining four (4) samples from 6 inches on each side of the three main pool vertical caulk joints to confirm that concrete PCB concentrations are < 1 ppm will be collected prior to the construction of the new pool. These samples will also serve as post abatement samples.

4.1.2 Typical Means and Method

No modifications.

4.1.3 Pool Deck

No modifications.

4.1.4 Main Pool

No changes to means and methods. Vertical expansion joint caulk has conservatively been reclassified as PCB Bulk Product Waste.

4.1.5 Wading Pool

No modifications.

4.1.6 Guard House

All PCB Bulk Product Waste caulk will be removed as proposed in the Notification along with the door frames and First Aid window. It is conservatively assumed that all interior floor and wall masonry in rooms where PCB Bulk Product Waste is currently present will be managed as PCB Remediation Waste (all rooms except for Staff Rooms 011 and 012). Interior masonry that remains in these rooms will be encapsulated as discussed below. Exterior CMU walls classified as PCB Remediation Waste (walls in contact with perimeter caulk and first aid window surrounds) will also be encapsulated. In addition, the new concrete deck will be approximately 6-inches above current grade and will also serve as barrier to prevent contact with exterior walls classified as a PCB Bulk Product Waste that will remain. The limits of exterior coating covered by this modification coincide with the green line along the southeastern side of the Guard House shown on Figure 3.

If limited masonry (CMU or concrete) needs to be removed to facilitate renovations it will be managed as PCB Remediation Waste.

Note that as part of the renovation project, all exterior CMU walls will be coated with the epoxy per Technical Specification 09990 – Painting, 3.11.C.

<u>Door Caulk</u>

No changes to abatement approach. Rags used to decontaminate the door frame will be managed as if they contain > 50 ppm PCBs. If the contractor chooses not to decontaminate the door frame, it shall be managed PCB Remediation Waste > 50 ppm.

<u>Interior Floor Caulk</u>

- Remove caulk with hand tools and manage with the PCB Bulk Product waste;
- Encapsulate interior concrete floor in rooms where PCB Bulk Product Waste floor caulk is present. As shown on Figure 4; this includes all rooms except the two Staff Rooms (011 and 012);
- If concrete floors must be removed to facilitate renovations, any concrete in rooms where PCB Bulk Product Waste floor caulk is present it will be managed as PCB Remediation Waste (< 50 ppm); and
- If concrete/CMU walls must be removed to facilitate renovations, any concrete in rooms where PCB Bulk Product Waste floor caulk is present will be managed as PCB Remediation Waste (> 50 ppm).

Exterior Foundation Caulk

- Remove caulk with hand tools and managed with the PCB Bulk Product Waste;
- Cut concrete pool deck within 1 foot of joint out and manage as PCB Bulk Remediation Waste < 50 ppm PCBs;
- If caulk is in contact with soil the contractor will remove one foot back from joint. It will be assumed that this material has PCB > 50 ppm;
- If soil is excavated, one post-excavation surficial soil sample will be collected for every 30 linear feet excavated (note that all soil will be covered with new concrete decking);
- If soil PCB concentrations are > 1 ppm, an additional one foot of soil will be excavated and the area retested, and the results confirmed prior to backfilling in kind as directed by the environmental consultant. It is conservatively estimated that up to two (2) cubic yards of soil will be excavated and managed as containing > 50 ppm PCBs, and
- Encapsulate exterior walls where foundation caulk was removed.

First Aid Window

- Remove entire window and associated caulking and manage as containing > 50 ppm PCBs; and
- Encapsulate exterior wall that contains this window.

4.1.7 Bath House

All PCB Bulk Product Waste caulk will be removed as proposed in the Notification. It is conservatively assumed that all interior floor and wall masonry in rooms where PCB Bulk Product Waste is currently present will be managed as PCB Remediation Waste (all rooms except for water heater room). Interior masonry that remains in these rooms will be encapsulated as discussed below. If limited masonry (CMU or concrete) needs to be removed to facilitate renovations it will be managed as PCB Remediation Waste.

Note that as part of the renovation project, all exterior CMU walls will be coated with the epoxy per Technical Specification 09990 – Painting, 3.11.C.

The Bath House abatement is comprised of two sub-tasks: 1) Door caulk; and 2) Interior floor joint caulk.

Door Caulk

No changes to abatement approach. Rags used to decontaminate the door frame will be managed as if they contain > 50 ppm PCBs. If the contractor chooses not to decontaminate the door frame, it shall be managed PCB Remediation Waste > 50 ppm.

Interior Floor Caulk

- Remove caulk with hand tools and managed with the PCB Bulk Product waste. This includes beneath door frame thresholds;
- Encapsulate interior masonry floor and walls in rooms where PCB Bulk Product Waste floor caulk is present. As shown on Figure 5, this includes all rooms except the water heater room; and
- If masonry must be removed to facilitate renovations, any concrete in rooms where PCB Bulk Product Waste floor caulk is present will be managed as PCB Remediation Waste (> 50 ppm)

4.1.8 Filter Building

The approach for managing door caulk will be modified as detailed below. The sump will be coated with the Pool Paint epoxy material noted in attached Technical Specification 09990 – Painting, 3.14.A.

Note that as part of the renovation project, all exterior CMU walls will be coated with the epoxy per Technical Specification 09990 – Painting, 3.11.C.

<u>Door Caulk</u>

- Remove the metal door frames and associated caulk. If the caulk can be readily removed with hand tools, wipe down frame with hexane or other similar solvent;
- Caulk will be managed PCB Bulk Product Waste;
- If metal door frame is cleaned, ATC will collect a confirmatory wipe sample from each frame. Each frame will need to have a PCB wipe result of < 1 µg/100 cm^2 for the material to be recycled. If this concentration cannot be achieved through additional cleaning the frame will be managed as PCB Remediation Waste. ; Rags used to decontaminate the door frame will be managed as if they contain > 50 ppm PCBs; and
- Interior and exterior wall that contains the door frame will be encapsulated with an epoxy per Technical Specification 09990 – Painting, 3.11.C.

Encapsulation

As discussed above, all interior masonry (concrete and CMU) floors and walls in rooms where PCB Bulk Product Waste caulk is currently present, exterior Guard House walls that contain the First Aid windows and/or perimeter caulk, and Filter Building interior and exterior walls were doors containing PCB Bulk Product Waste caulk is present will be encapsulated. In the Guard House this includes all rooms except for the Staff Rooms (011 and 012). In the Bath House this includes all surfaces except the water heater room.

Masonry surfaces identified as requiring encapsulation will be prepared using a low–flow, high-pressure water wash. Floors may be prepared with a steel shot blast machine, scarifier or dust-free diamond grinder. The purpose of the surface preparation is to remove dirt, oil, and other materials adhered to the masonry surfaces to properly prepare the surface for the coatings application.

If surfaces are washed, containment will be constructed around the work area including the portable wash water collection basin to control over spray. The containment will be constructed out of polyethylene sheeting constructed as close as practicable around the wash area. The nearest down-gradient storm drain(s) (if any) will be covered using a flexible polyurethane drain cover to prevent wash water from entering the catch basin(s). The portable wash water collection basin will be placed below the entire pressure washing area. The basin will be watertight and the liner made with a non-porous membrane. Water usage and pressure will be minimized to the extent practicable to reduce mist/vapors/overspray. Pressure washing will not be conducted in high winds such that it would make it difficult to contain overspray. Furthermore, Site personnel will ensure that wash water drains into the collection basin and that wash water does not puddle or accumulate outside the collection basin.

Wash water generated from areas where a PCB Bulk Product has been identified will be stored in closed tanks or other approved container labeled as containing PCB wash water until disposal is arranged. Storage areas will be secured so that they are not accessible to the general public. A properly licensed transport will transport the wash water under proper documentation to a properly licensed disposal facility.

All wash waters are considered a TSCA regulated waste unless the concentrations of PCBs in the wash water leaving the Site are less than or equal to 0.5 µg/L (approximately 0.5 parts per billion (ppb)). Wash water with concentrations greater than 0.5 µg/L must be managed in accordance with 40 CFR § 761.79(b)(1) or § 761.70. The contractor will also have the option to perform on-Site treatment to reduce PCB levels prior to off Site management.

If steel shot blast machine, scarifier, or dust-free diamond grinder are used, work will be done in containment to capture dust. Any ventilation exhaust systems will incorporate HEPA filters. All dust, filters, and blast material will be managed off-site as if they contain > 50 ppm PCBs.

A minimum of two coating layers will be applied. The two layers will be of contrasting colors to act as a visual wear indicator.

Floors will receive seamless quartz flooring as detailed in attached Technical Specification Section 09990 – Seamless Quartz Flooring. This is a four coat system that will have a minimum finish thickness of 1/8-inch. Interior and exterior CMU walls identified for encapsulation will receive the 3 coat epoxy paint as detailed in attached Technical Specification Section 09670, 3.11.C. If there is a conflict between the requirements of the Technical Specifications and this Modification, the Modification requirements shall prevail.

Confirmatory Wipe Sampling

To confirm that the coating system is adequately sealing residual PCBs, initial wipe sampling of the coated masonry surfaces at accessible locations will be performed. The wipe samples will be collected from coated locations immediately adjacent to (within 6 inches of the edge) sealed joints. Three (3) floor, three (3) interior wall, and three (3) exterior wall samples will be collected. Samples will be collected from areas that are most likely to be accessed by the public (e.g. Bath House shower floors and walls) and identified with the pre-abatement PCB concentrations. The sampling event will include a duplicate and trip blank sample. The wipe sampling will be conducted approximately one month after application of the coatings, a time-frame that will allow for the coatings to fully cure.

Wipe samples will be collected in accordance with 40 CFR 761.123. Samples will be collected utilizing the applicable procedures identified in Wipe Sampling and Double Wash/Rinse Cleanup as recommended by the Environmental Protection Agency PCB Spill Cleanup Policy (June 23, 1987, Revised and Clarified on April 18, 1991). A one-use template will be used to delineate the 100 cm^2 sampling area. The samples will be analyzed at a certified laboratory for PCBs via EPA Method 8082 and extracted via EPA Method 3540C.

The coating system will be shown to be performing adequately to seal residual PCBs in masonry if all wipe samples have concentrations of less than 1 µg/100 cm^2.

If any of the confirmatory wipe samples indicates a PCB concentration greater than 1 µg/100 cm^2, the EPA shall be contacted for further discussion and direction on alternatives and/or additional sampling requirements.

Annual Inspections

On an annual schedule, beginning one year following the confirmatory wipe sampling, an inspection of the coated and covered surfaces at the Site will be performed. The inspections will focus on those areas that would be directly accessible to building occupants. The inspections will be primarily visual in nature, and will be intended to confirm that the coated surface is in good condition. The inspector will visually observe all coated surfaces at the Site. Evidence of deterioration of the coating, including wear, chipping, or flaking, should be apparent due to the contrasting colors of the two coating layers.

As part of each annual inspection, encapsulated surface wipe sampling will be conducted to confirm that the coating is effectively sealing PCBs over time. The initial annual wipe sampling will follow the same procedures, including sample locations, as the initial round of wipe sampling described above. Subsequent annual wipe sampling may be modified based upon initial results.

The annual inspections, and any necessary repairs to the coated surface, will be documented on an official inspection form, and the forms will be maintained for the life of the buildings. The inspection form, along with a cover letter outlining any repair of the coated surfaces will be submitted to the EPA annually within one month of the inspection date. An associated Operations & Maintenance (O&M) Plan will be submitted at a later date.

Deed Notice

A deed notice will be recorded for the property. The deed notice will follow the TSCA requirements outlined at 40 CFR 761.61(a)(8), and will inform any potential future purchaser of the property the following:

1) Where PCB Remediation Waste remain;
2) On-going sampling and monitoring of conditions related to residual PCBs are required; and
3) Proper removal and disposal of remaining PCB-impacted materials is required upon demolition of all or portions of the Bath House and/or Guard House;

Following recording of the deed notice, a copy, along with certification that the deed notice has been recorded with the registry of deeds, will be provided to the EPA.

If you have any questions, please contact Michael Gitten at (781) 404-1439 or via email at michael.gitten@atcassociates.com.

Sincerely,
ATC Associates Inc.

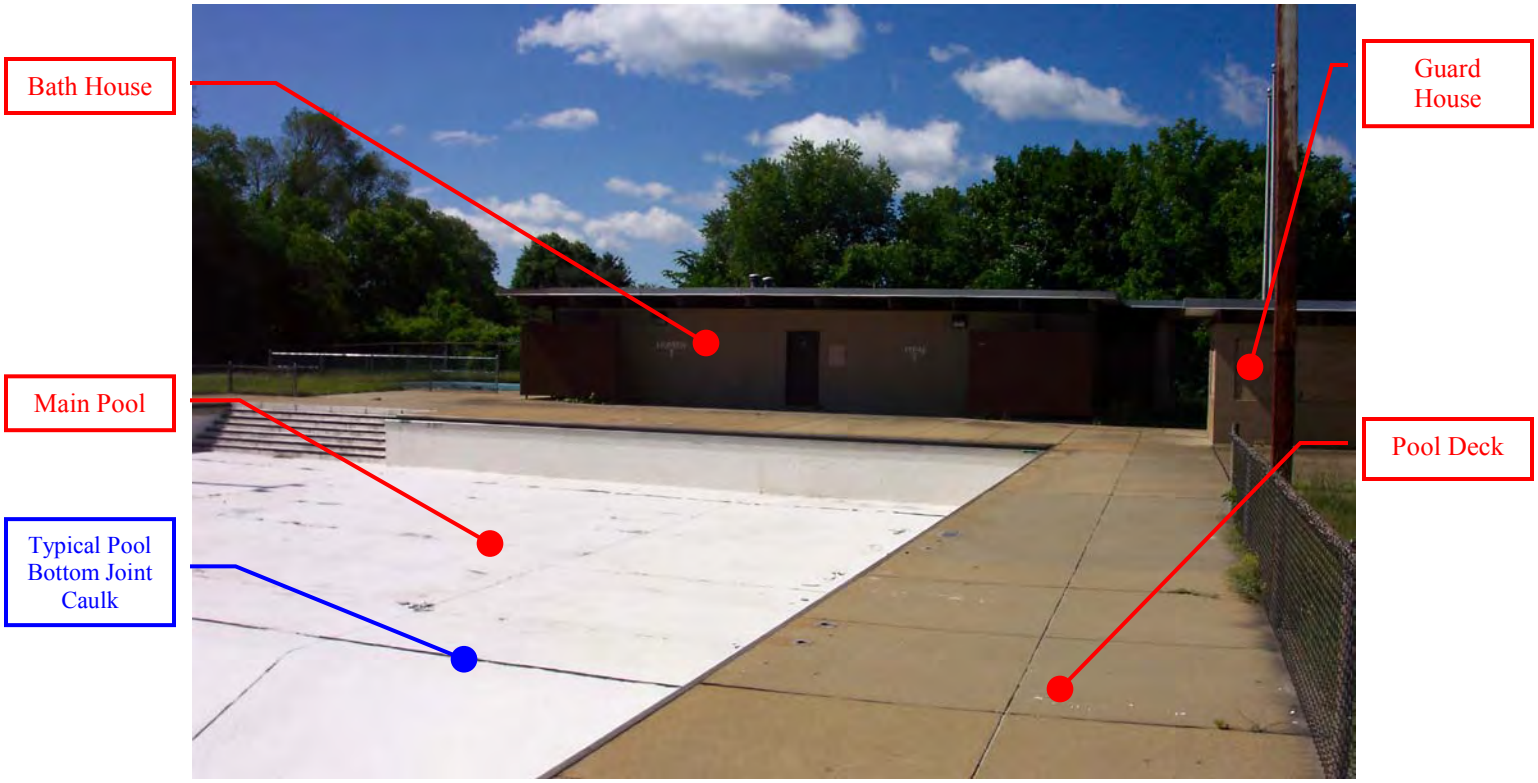
Chris Amorelli
Environmental Scientist

Michael Gitten, LSP, PE
Division Manager, Environmental Services

Attachments: Photograph Log
Figure 2: Building Material Sampling Locations (Exterior) - Revised
Figure 3: Exterior Pool and Deck PCB Sealant Locations - Revised
Figure 4: Guard House / Filter Building - Building PCB Sealant and Sample Locations (Interior) - Revised
Figure 5: Bath House Building PCB Bulk Product Sealant and Sample Locations (Interior) - Revised
Table 1: PCB Analytical Results - Revised
Table 2: PCBs in Building Materials Evaluation - Revised
Laboratory Analytical Reports (October 2011 sampling)
Technical Specifications: Painting – 09670 and Seamless Quartz Flooring – 09990

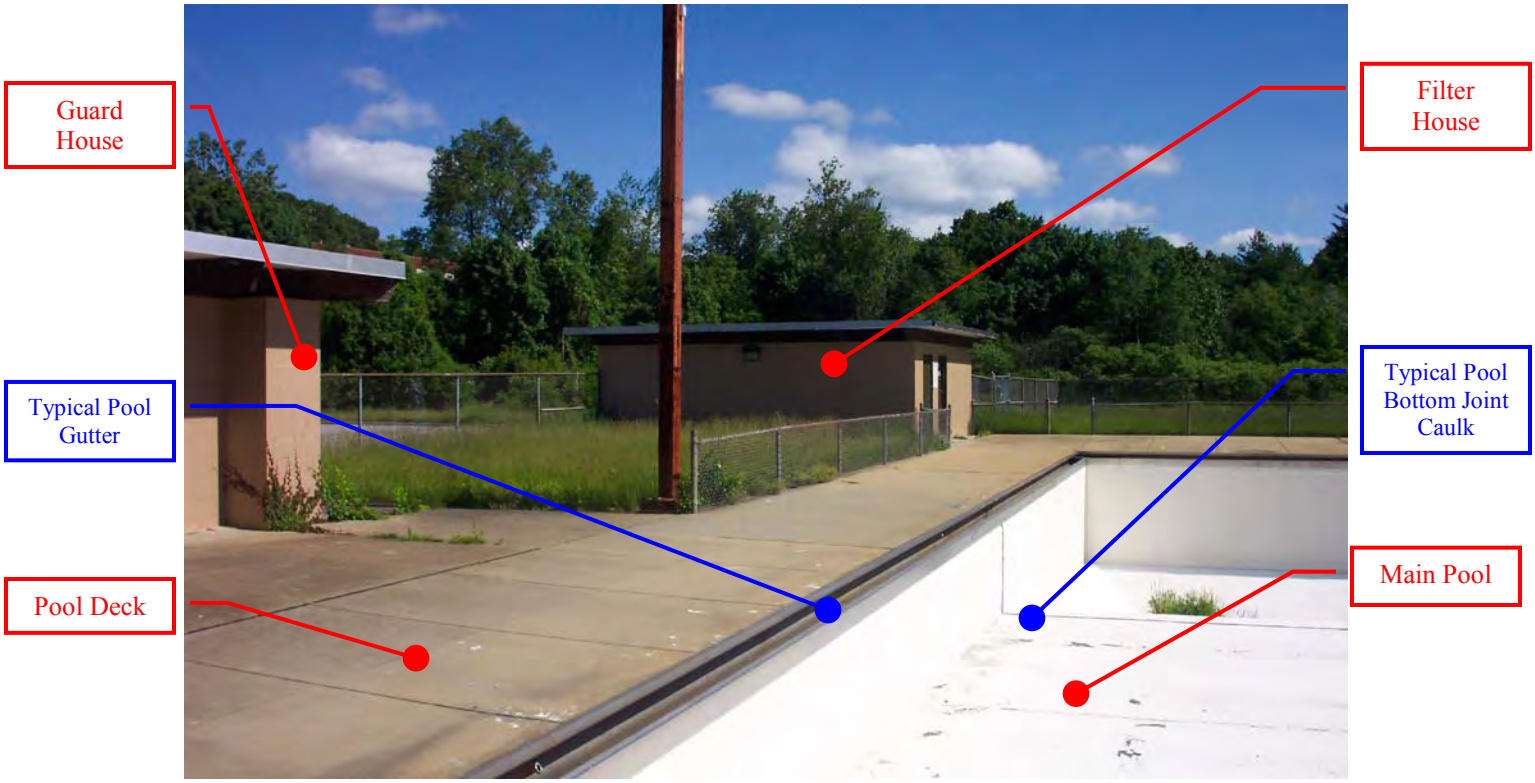
cc: Mr. Robert Lowell, DCR
Ms. Judy O'Kula, DCR
Henry Sarkis, New England Builders & Contractors

PCB in Building Materials Evaluation
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts

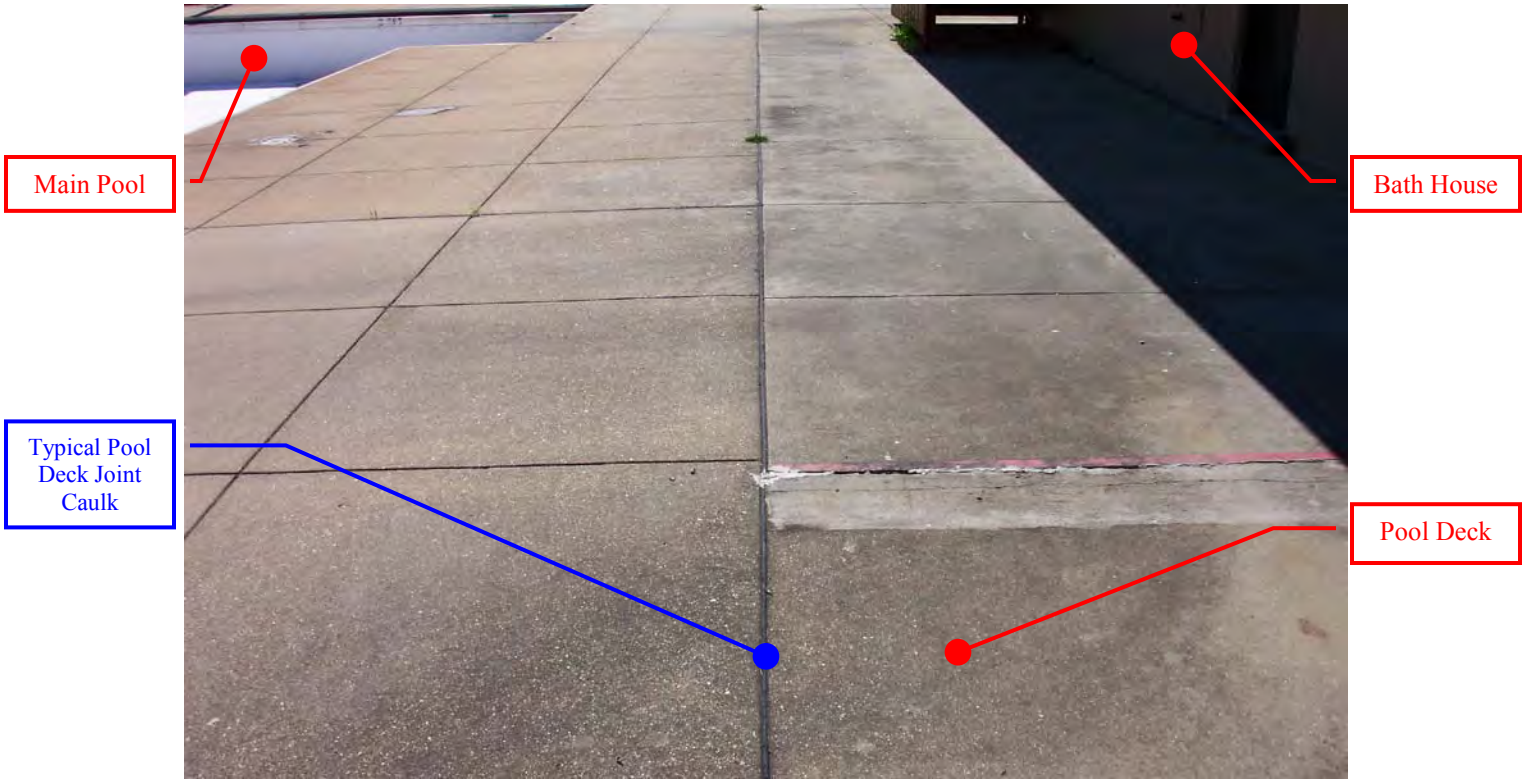


Photograph 1: Main Pool, Pool Deck, and Bath House

Photograph 2: Main Pool, Pool Deck, Bath House, and Guard House.



Photograph 3: Main Pool, Pool Deck, Guard House, and Filter House



Photograph 4: Main Pool, Pool Deck, and Bath House

Photograph 5: Main Pool and Pool Deck

Photograph 6: Pool Deck and Tot Pool

GENERAL DEMOLITION NOTES

1. DEFINITIONS
   Remove: Detach items from existing construction and legally dispose of them off-site, unless indicated to be removed and salvaged or removed and reinstalled.

   Remove and Salvage: Detach items from existing construction, store and protect until reinstalled in the new work.

   Remove and Reinstall: Detach items from existing construction, prepare them for reuse, and reinstall them where indicated.

   Existing to Remain: Existing items of construction that are not to be removed and that are not otherwise indicated to be removed, removed and salvaged, or removed and reinstalled.

2. Demolition Drawings define demolition (work) to be performed by the General Contractor as well as the masonry filed subcontractor. Keyed notes **DX.X** Indicates demolition work by General Contractor. Keyed notes **MDX.X** Indicate masonry demolition work by masonry filed subcontractor.

3. Demolition Scope includes removal of all discarded equipment and debris within the building.

4. Masonry Demolition: It is the intent of the project to remove, salvage, and reuse as much of the existing clay bricks as possible. New masonry work will be a combination of reused exisitng clay bricks, supplemented by new units that match existing in size, texture & color.

5. Disconnection from electrical service by electrical contractor. Refer to electrical drawings for electrical demolition scope.

6. Disconnection from plumbing services by plumbing contractor. Refer to plumbing drawings for plumbing demolition scope.

MASONRY DEMOLITION NOTES (PART OF MASONRY FILED SUB-BID)
MARK: MD X.XX

MD1.1 Remove masonry wall to extents shown on plans and elevations, including wall assembly, windows and doors in the assembly at the removed area, and all associated parts and anchors.

MD1.2 Remove damaged masonry and surrounding mortar joints to clean and stable masonry substrate for preparation to install new replacement block.

DEMOLITION KEYED NOTES
MARK: DX.XX

D1.0 Remove existing concrete slab to accommodate new pool piping.

D1.1 Existing concrete pipe tunnel; core and remove as required to accommodate new pool piping.

D1.2 Remove existing concrete slab on grade, shown toned. Note that slab appears to be doweled into existing pool perimeter.

D1.3 Reserved.

D1.4 Remove existing wading pool in its entirety, including but not limited to fountain, valve & pump pit, perimeter walls and slab on grade, and associated piping.

D1.5 Remove existing pool gutter in its entirety, including steel gutter pin, and dowelling.

D1.6 Sawcut and remove top of existing pool wall as required to install new gutter assembly. Refer to A201 for relation of existing construction to new construction.

D1.7 Remove existing stair rails and sockets, typical for 4.

D1.8 Demolish existing lifeguard chair in its entirety, including footing.

D1.9 Demolish existing pool ladder assembly.

D1.10 Assume existing foundations for former diving boards are in place. Remove them in their entirety.

D1.11 Reserved.

D1.12 Remove existing chain link fence, including fabric, posts, rails, gates, hardware, and footings. The fence is approximately 3'-6" high.

D1.13 Remove existing chain link fence, including fabric, posts, rails, gates, hardware, and footings. The fence is approximately 6'-0" high.

D1.14 Existing trees to remain; protect during all demolition and construction activities.

D1.15 Existing planting beds to remain; protect during all demolition and construction activities.

D1.16 Existing shrubs to remain; protect during all demolition and construction activities.

D1.17 Existing lawn area to remain; protect during all demolition and construction activities.

D1.18 Remove existing metal grating assembly in its entirety.

D1.19 Remove existing metal grating assembly in its entirety, including but not limited to steel channels, perimeter aluminum angles, intermediate supports, miscellaneous supports, and associated parts.

D1.20 Reserved.

D1.21 Existing ladder to remain; clean, inspect in field and repair where deteriorated.

D1.22 Remove existing ladder assembly in its entirety, including anchors and associated parts.

D1.23 Existing railing assembly to remain; protect during construction.

D1.24 Remove existing railing assembly in its entirety, including anchors, supports, and hardware.

D1.25 Remove existing door assembly, including door, frame, anchors, hardware, and all associated parts.

D1.26 Remove existing paint finish on concrete and concrete masonry surfaces with a light water blast, typical at vertical surfaces where there is existing paint.

D1.27 through D1.30 Reserved

D1.31 Remove existing pool filter assembly including but not limited to filter media, baffles, piping, valves, and all appurtenances. Cap and cover all penetrations not used in new work and grout solid.

D1.32 Remove existing filter equipment including but not limited to pumps, pads, supports, piping, valves, and utility connections not used in new work. Cap and cover all penetrations not used in new work and grout solid.

D1.33 Remove existing filter equipment including but not limited to filters, face piping, valves, piping, supports, chemical crocks, tanks, control equipment, chemical equipment, and utility connections not reused in new work.

D1.34 Expansion joint in existing pool on 12" x 6" seam footing, to remain.

D1.35 Existing main drain, to remain.

D1.36 Remove existing asphalt curb/pavement, including any footing or doweling present.

D1.37 Remove existing building-mounted light fixture.

LEGEND:

EXISTING ASPHALT CURB TO BE DEMOLISHED, INCLUDING FOOTING IF PRESENT

EXISTING CONCRETE SLAB ON GRADE TO BE DEMOLISHED, INCLUDING DOWELING AND REINFORCEMENT WHERE PRESENT

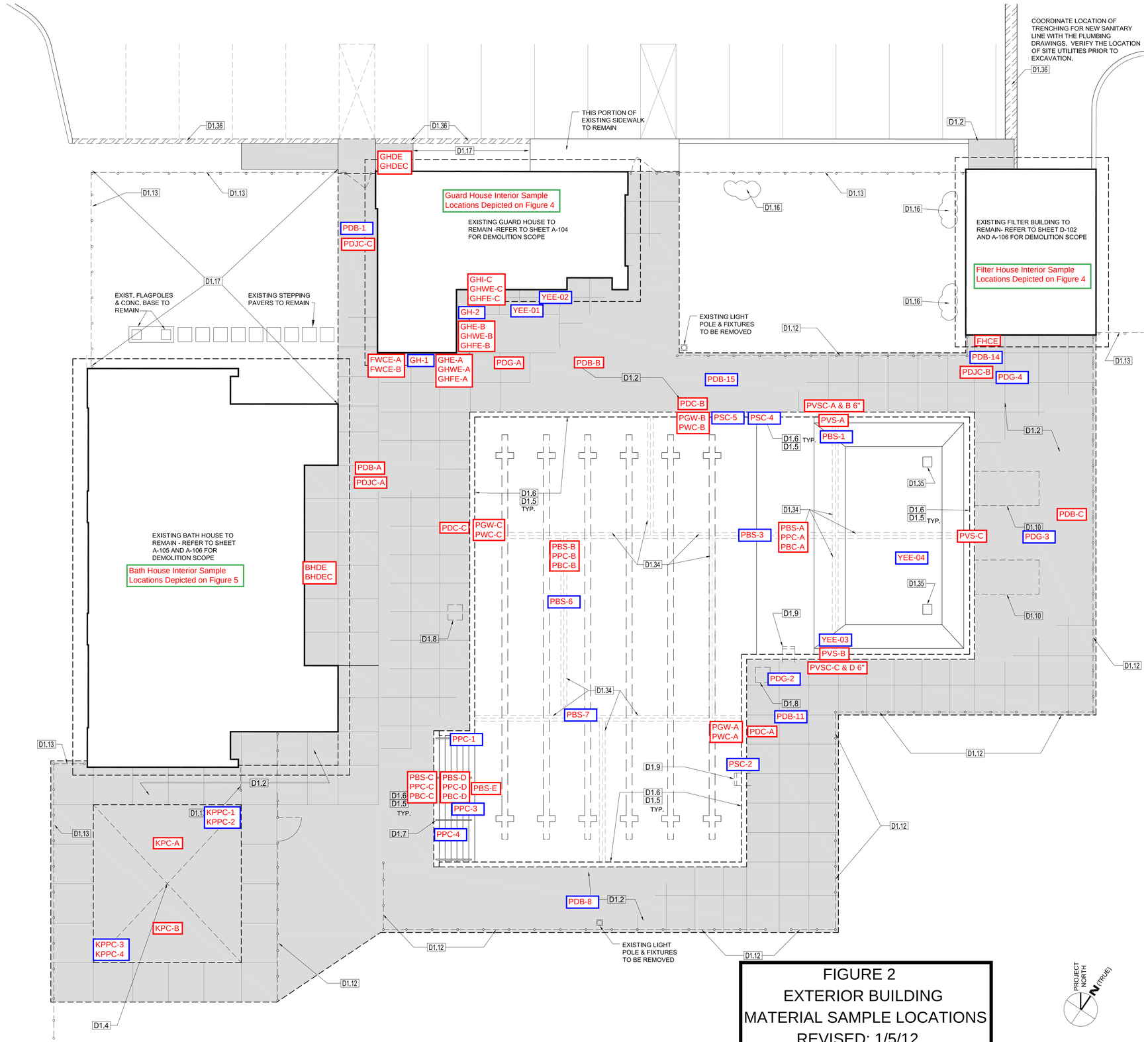


FIGURE 2
EXTERIOR BUILDING
MATERIAL SAMPLE LOCATIONS
REVISED: 1/5/12

ARCHITECT

bh+a

Bargmann Hendrie + Archetype, Inc.
300 A Street
Boston, MA 02210
617 350-0450 Tel
617 350-0215 Fax
www.bhplus.com

PROJECT NAME

Andrew J. Petro Pool

Randolph Street
Southbridge, MA

CLIENT

Department of Conservation and Recreation

251 Causeway Street
Boston, Ma 02114

PROJECT TEAM

MEP ENGINEER
Allied Consulting Engineering Services, Inc.
215 Boston Post Road
Sudbury, MA 01776
978 443-7888 Tel
978 443-4636 Fax

Exterior PCB Sample Locations

PDB-A — Samples Collected by ATC

PBS-1 — Samples Collected by Previous Consultants

Overlay by ATC Associates December 1, 2011

REVISIONS

1
2
3
4
5
DATE

DRAWING TITLE

Pool and Pool Deck Demolition Plan

DRAWING INFORMATION

May 24, 2011
DATE OF ISSUE

DESCRIPTION

1/8" = 1'-0"
SCALE

-
DRAWN BY

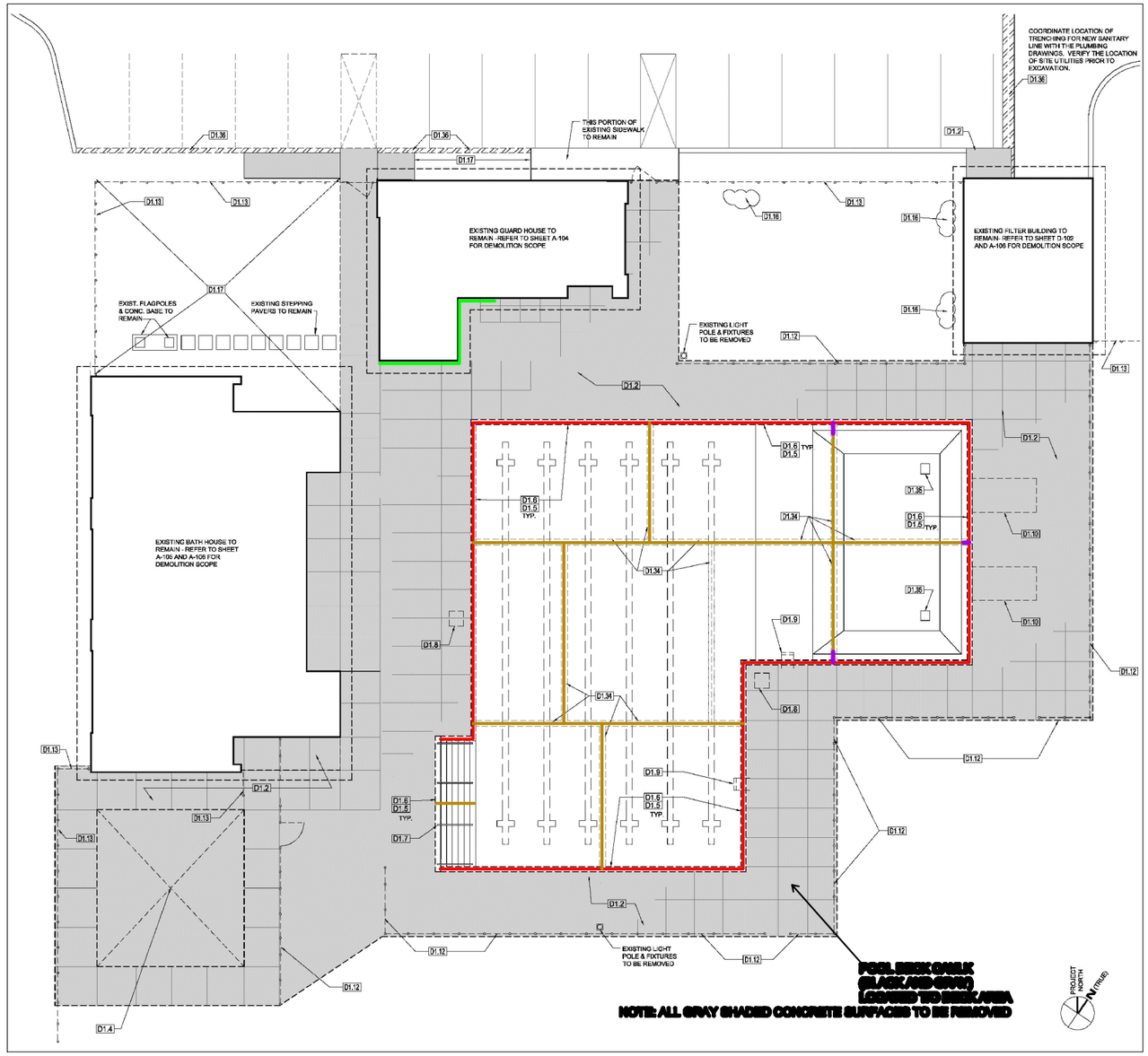
2724.00
PROJECT #

D-101dwg
FILE NAME

DRAWING NUMBER

Copyright BH+A, Inc.

p:\2724_ajp\dwg\03-cd\ 101_2724.dwg tallsamma, roger



LEGEND

- POOL GUTTER SILL CAULK
- INTERIOR FOUNDATION CAULK
- EXTERIOR FOUNDATION CAULK
- INTERIOR WINDOW CAULK (GLAZING)
- INTERIOR WINDOW FRAME CAULK
- INTERIOR AND EXTERIOR DOOR FRAME CAULK
- POOL BOTTOM SEAM CAULK
- POOL WALL SEAM CAULK

POOL DECK CAULK NOT SHOWN SPORADICALLY PRESENT

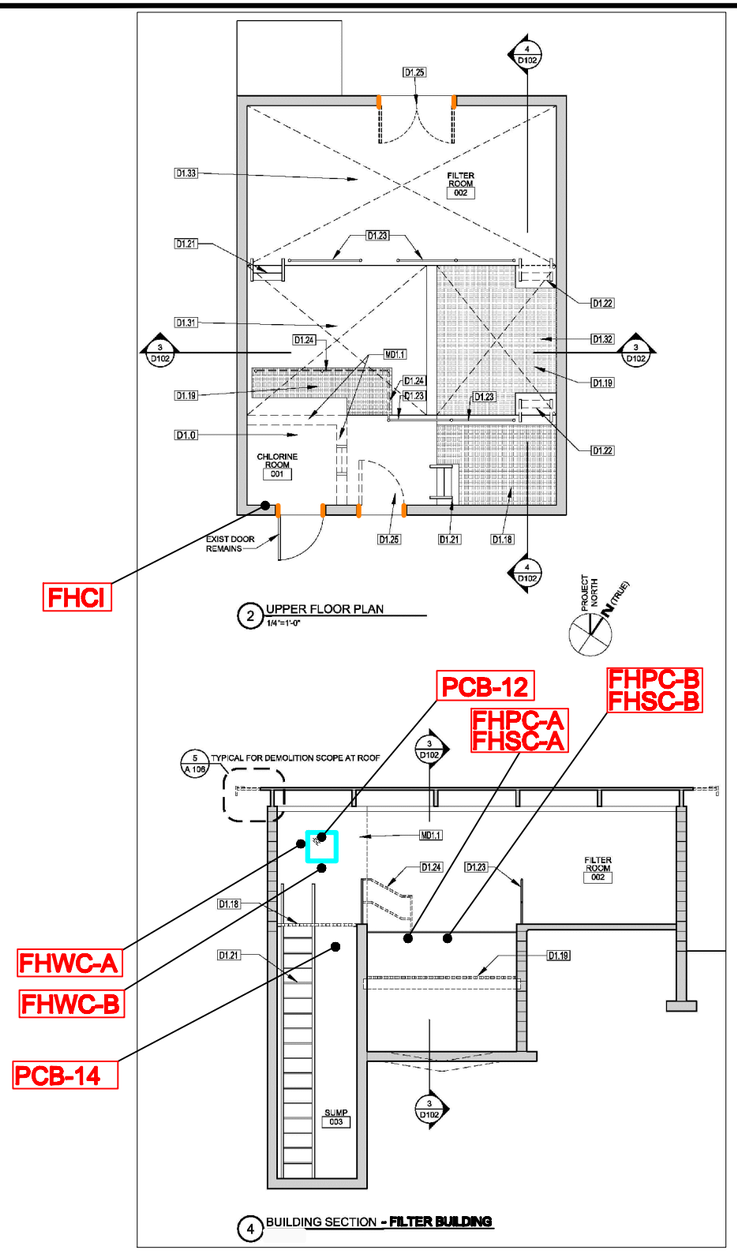
NOTES: BASE PLAN SOURCE: POOL AND POOL DECK DEMOLITION PLANS, BH+A, MAY 2011

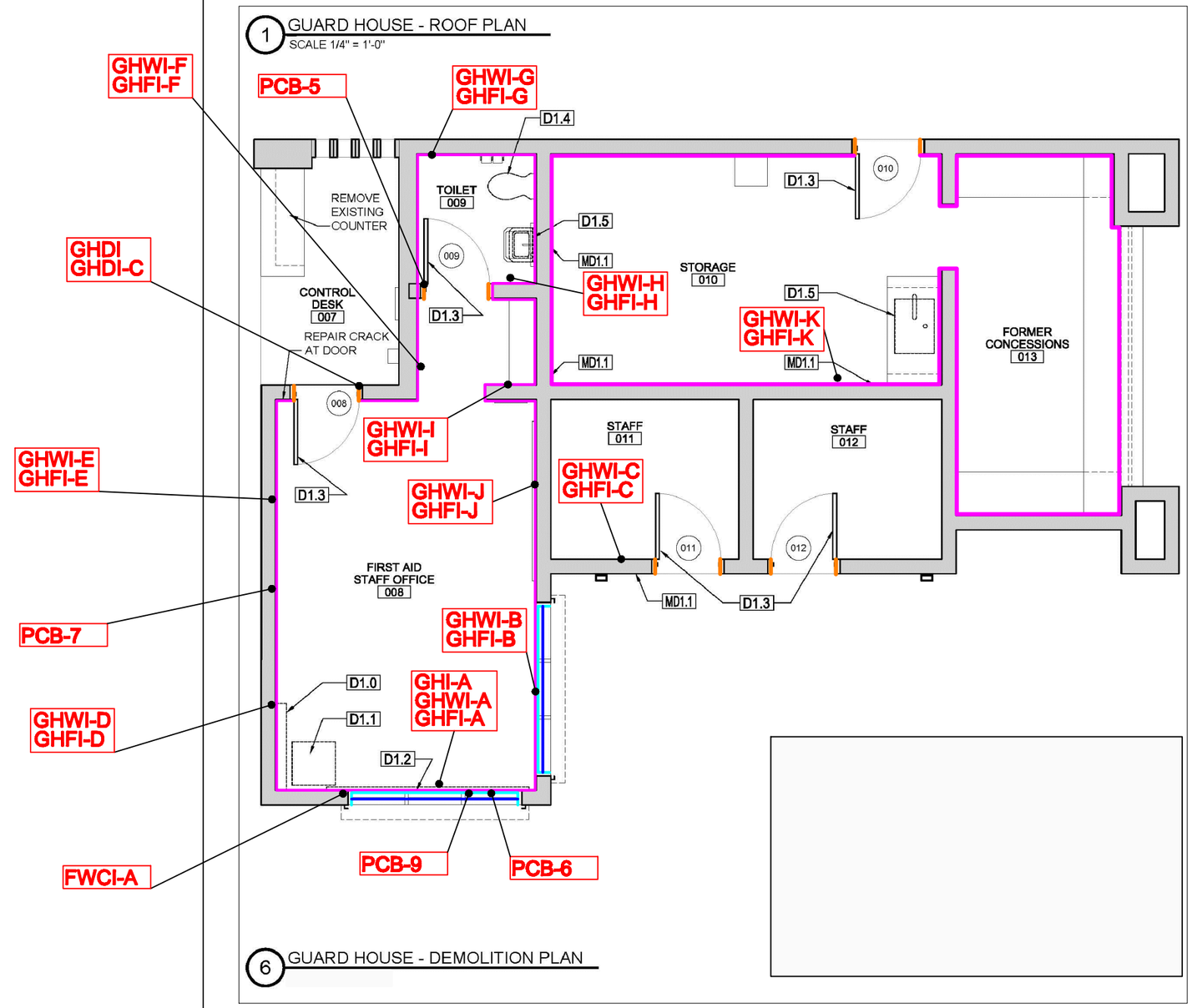
REVISED: 1/5/2012

EXTERIOR POOL AND DECK PCB SEALANT LOCATIONS
ANDREW J. PETRO POOL
SOUTHBRIDGE , MA

PROJECT NUMBER: 060.29841.0002	FIGURE NUMBER: 3
SCALE: NTS	CHECKED BY: CA
DRAWN BY: JAB	REVISED BY: MSG
DRAWING FILE: H:\Enviro\Clients - Projects\A - F\DCR\Southbridge	

ATC ASSOCIATES INC.
600 West Cummings Park, Suite 5450
Woburn, Massachusetts 01801-6350
Tel.(781)932-9400 Fax.(781)932-6211





LEGEND

- POOL GUTTER SILL CAULK
- INTERIOR FOUNDATION CAULK
- EXTERIOR FOUNDATION CAULK
- INTERIOR WINDOW CAULK (GLAZING)
- INTERIOR WINDOW FRAME CAULK
- INTERIOR AND EXTERIOR DOOR FRAME CAULK
- POOL BOTTOM SEAM CAULK
- POOL WALL SEAM CAULK
- GHWI-E — APPROXIMATE SAMPLE LOCATION

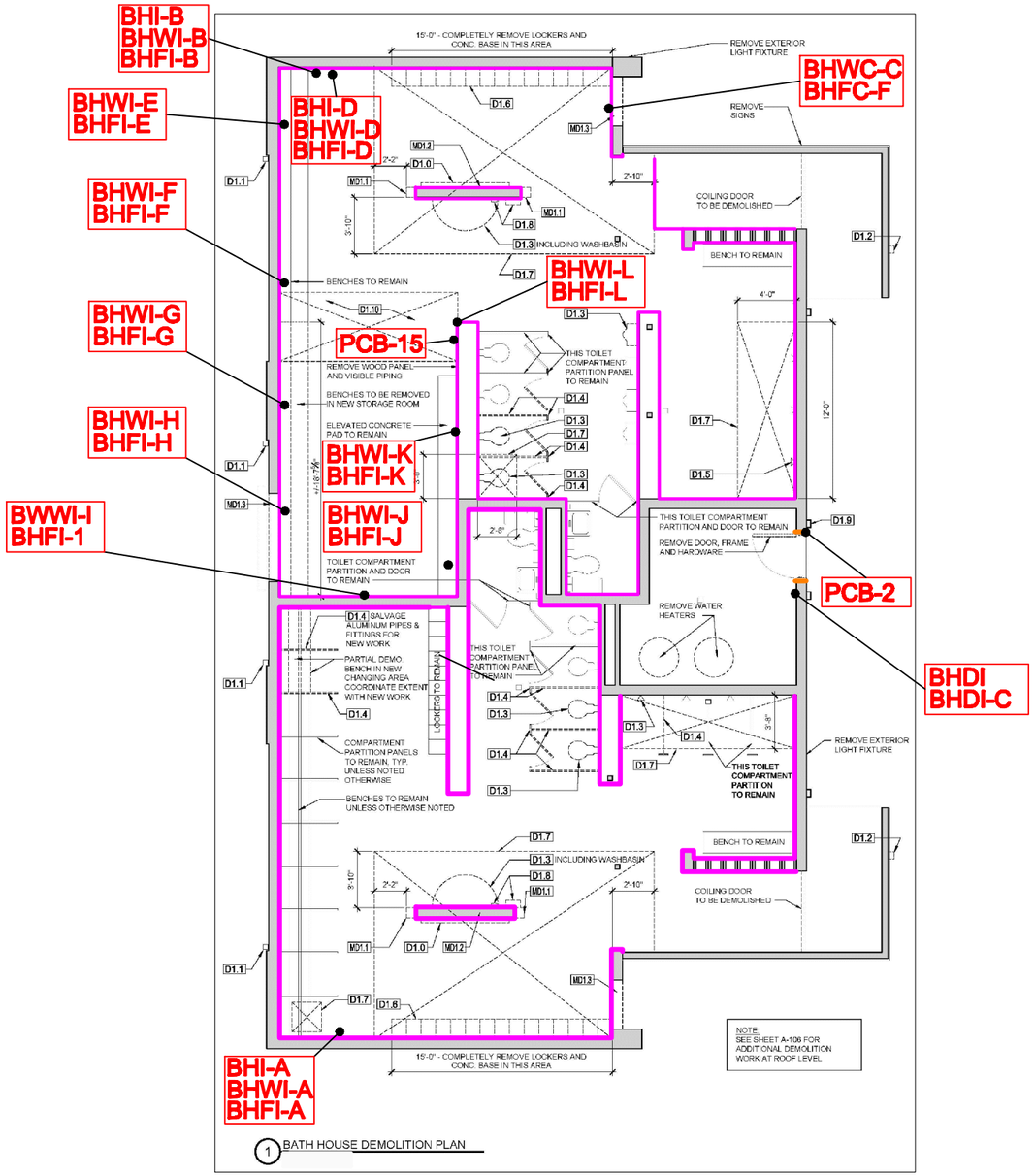
NOTES: BASE PLAN SOURCE: GUARD AND FILTER HOUSE DEMOLITION PLANS, BH+A, MAY 2011

REVISED: 1/5/2012

GUARD/FILTER HOUSE INTRIOR PCB SEALANT AND SAMPLE LOCATIONS
ANDREW J. PETRO POOL
SOUTHBRIDGE , MA

PROJECT NUMBER: 060.29841.0002	FIGURE NUMBER: 4
SCALE: NTS	CHECKED BY:
DRAWN BY: JAB	REVISED BY: MSG
DRAWING FILE: H:\Enviro\Clients - Projects\A - F\DCR\Southbridge	

ATC ASSOCIATES INC.
600 West Cummings Park, Suite 5450
Woburn, Massachusetts 01801-6350
Tel.(781)932-9400 Fax.(781)932-6211



1 BATH HOUSE DEMOLITION PLAN

LEGEND

- POOL GUTTER SILL CAULK
- INTERIOR FOUNDATION CAULK
- EXTERIOR FOUNDATION CAULK
- INTERIOR WINDOW CAULK (GLAZING)
- INTERIOR WINDOW FRAME CAULK
- INTERIOR AND EXTERIOR DOOR FRAME CAULK
- POOL BOTTOM SEAM CAULK
- POOL WALL SEAM CAULK
- BHI-A — APPROXIMATE SAMPLE LOCATION

NOTES: BASE PLAN SOURCE: BATH HOUSE DEMOLITION PLAN, BH+A, MAY 2011

REVISED: 1/5/2012

BATH HOUSE BUILDING PCB INTERIOR SEALANT AND SAMPLE LOCATIONS
ANDREW J. PETRO POOL
SOUTHBRIDGE , MA

PROJECT NUMBER: 060.29841.0002	FIGURE NUMBER: 5
SCALE: NTS	CHECKED BY:
DRAWN BY: JAB	REVISED BY: MSG
DRAWING FILE: H:\Enviro\Clients - Projects\A - F\DCR\Southbridge	

ATC ASSOCIATES INC.
600 West Cummings Park, Suite 5450
Woburn, Massachusetts 01801-6350
Tel.(781)932-9400 Fax.(781)932-6211

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	PDG-A	PDB-A	PDB-A1	PDB-B	PDB-C	PDC-A ADJ	PDC-A1 ADJ	PDC-B ADJ	PDC-C ADJ	PGW-A	PGW-B	PWC-A ADJ S	PWC-B ADJ S
Sample Type	Caulk	Caulk	Caulk	Caulk	Caulk	Concrete	Concrete	Concrete	Concrete	Wipe	Wipe	Concrete	Concrete
Sample Location	Pool Deck Area	Pool Deck Area	Pool Deck Area	Pool Deck Area	Pool Deck Area	Pool Deck Area	Pool Deck Area	Pool Deck Area	Pool Deck Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area
Sampling Date	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/1/2011	9/1/2011	9/9/2011	9/9/2011
Submission Date	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/7/2011	9/7/2011	9/12/2011	9/12/2011
Aroclor 1016	ND (0.91)	ND (9.3) *	ND (9.5) *	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)
Aroclor 1221	ND (0.91)	ND (9.3) *	ND (9.5) *	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)
Aroclor 1232	ND (0.91)	ND (9.3) *	ND (9.5) *	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)
Aroclor 1242	ND (0.91)	ND (9.3) *	ND (9.5) *	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)
Aroclor 1248	ND (0.91)	ND (9.3) *	ND (9.5) *	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)
Aroclor 1254	ND (0.91)	**27**	**34**	**1.5**	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)
Aroclor 1260	ND (0.91)	ND (9.3) *	ND (9.5) *	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)
Aroclor 1262	ND (0.91)	ND (9.3) *	ND (9.5) *	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)
Aroclor 1268	ND (0.91)	ND (9.3) *	ND (9.5) *	ND (0.91)	ND (0.90)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.095)	ND (0.20)	ND (0.20)	ND (0.095)	ND (0.091)
QA/QC Notes		**2**	**2**	3	3								

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	PWC-C ADJ S	PWC-A ADJ D	PWC-B ADJ D	PWC-C ADJ D	PWC-A 6"	PWC-B 6"	PBS-A	PBS-A1	PBS-C	PBS-D	PBC-A-ADJ S	PBC-B ADJ S	PBC-C ADJ S
Sample Type	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Sample Location	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area
Sampling Date	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/1/2011	9/1/2011	9/1/2011	9/1/2011	9/9/2011	9/9/2011	9/9/2011
Submission Date	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/7/2011	9/7/2011	9/7/2011	9/28/2011	9/12/2011	9/12/2011	9/12/2011
Aroclor 1016	ND (0.091)	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	ND (18) *	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)
Aroclor 1221	ND (0.091)	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	ND (18) *	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)
Aroclor 1232	ND (0.091)	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	ND (18) *	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)
Aroclor 1242	ND (0.091)	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	ND (18) *	**14**	ND (0.087)	ND (0.10)	ND (0.10)
Aroclor 1248	ND (0.091)	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	ND (18) *	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)
Aroclor 1254	ND (0.091)	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	ND (18) *	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)
Aroclor 1260	ND (0.091)	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	ND (18) *	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)
Aroclor 1262	ND (0.091)	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	ND (18) *	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)
Aroclor 1268	ND (0.091)	ND (0.095)	ND (0.10)	ND (0.091)	ND (0.095)	ND (0.095)	ND (0.92)	ND (0.93)	ND (18) *	ND (0.90)	ND (0.087)	ND (0.10)	ND (0.10)
QA/QC Notes									**1,2**				

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	PBC-D ADJ S	PBC-A ADJ D	PBC-B ADJ D	PBC-C ADJ D	PBC-D ADJ D	PBC-A 12"	PBC-B 12"	PBC-C 12"	PBC-D 12"	PPC-A	PPC-B	PPC-C	PPC-D
Sample Type	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Paint Chip	Paint Chip	Paint Chip	Paint Chip
Sample Location	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area	Main Pool Area
Sampling Date	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011
Submission Date	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011
Aroclor 1016	ND (0.091)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)
Aroclor 1221	ND (0.091)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)
Aroclor 1232	ND (0.091)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)
Aroclor 1242	ND (0.091)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)
Aroclor 1248	ND (0.091)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)
Aroclor 1254	ND (0.091)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	**0.52**	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)
Aroclor 1260	ND (0.091)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)
Aroclor 1262	ND (0.091)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)
Aroclor 1268	ND (0.091)	ND (0.10)	ND (0.091)	ND (0.091)	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.087)
QA/QC Notes													

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	KPC-A S	KPC-A D	KPC-B	GHDI	GHDE	GHI-A	GHFI-C ADJ	GHFI-A 6"	GHFI-B 6"	GHWI-A Adj	GHWI-A1 Adj	GHWI-B Adj	GHWI-C ADJ
Sample Type	Concrete	Concrete	Concrete	Caulk	Caulk	Caulk	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Sample Location	Wading Pool Area	Wading Pool Area	Wading Pool Area	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House
Sampling Date	9/9/2011	9/9/2011	9/9/2011	9/1/2011	9/1/2011	9/1/2011	9/9/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/9/2011
Submission Date	9/12/2011	9/12/2011	9/12/2011	9/7/2011	9/7/2011	9/7/2011	9/12/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/7/2011	9/12/2011
Aroclor 1016	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	ND (19) *	ND (9.1) *	ND (87) *	ND (0.095)
Aroclor 1221	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	ND (19) *	ND (9.1) *	ND (87) *	ND (0.095)
Aroclor 1232	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	ND (19) *	ND (9.1) *	ND (87) *	ND (0.095)
Aroclor 1242	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	ND (19) *	ND (9.1) *	ND (87) *	ND (0.095)
Aroclor 1248	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	ND (19) *	ND (9.1) *	ND (87) *	ND (0.095)
Aroclor 1254	ND (0.10)	**0.25**	ND (0.10)	**10**	**1.2**	**180,000**	**0.23**	**1.5**	**1.9**	**99**	**48**	**740**	ND (0.095)
Aroclor 1260	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	ND (19) *	ND (9.1) *	ND (87) *	ND (0.095)
Aroclor 1262	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	ND (19) *	ND (9.1) *	ND (87) *	ND (0.095)
Aroclor 1268	ND (0.10)	ND (0.10)	ND (0.10)	ND (0.87)	ND (0.89)	**ND (7300) ***	ND (0.091)	ND (0.19)	ND (0.45)	ND (19) *	ND (9.1) *	ND (87) *	ND (0.095)
QA/QC Notes						**2**				**2**	**2**	**2**	

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	GHWI-A 1 BLOCK	GHWI-B 1 BLOCK	GHWI-C 1 BLOCK	GHE-A	GHE-B	GHFE-A ADJ	GHFE-B ADJ	GHFE-C ADJ	GHFE-A 6"	GHFE-B 6"	GHFE-A 12"	GHFE-B 12"	GHFE-C 12"
Sample Type	Concrete	Concrete	Concrete	Caulk	Caulk	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Sample Location	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House
Sampling Date	9/6/2011	9/6/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011
Submission Date	9/28/2011	9/28/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/28/2011	9/28/2011	9/28/2011
Aroclor 1016	ND (0.10)	ND (0.095)	ND (0.095)	ND (190) *	ND (190) *	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1221	ND (0.10)	ND (0.095)	ND (0.095)	ND (190) *	ND (190) *	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1232	ND (0.10)	ND (0.095)	ND (0.095)	ND (190) *	ND (190) *	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1242	ND (0.10)	ND (0.095)	ND (0.095)	ND (190) *	ND (190) *	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1248	ND (0.10)	ND (0.095)	ND (0.095)	ND (190) *	ND (190) *	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1254	**0.31**	**0.96**	**0.22**	ND (190) *	ND (190) *	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	**1.6**	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1260	ND (0.10)	ND (0.095)	ND (0.095)	ND (190) *	ND (190) *	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1262	ND (0.10)	ND (0.095)	ND (0.095)	ND (190) *	ND (190) *	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)
Aroclor 1268	ND (0.10)	ND (0.095)	ND (0.095)	ND (190) *	ND (190) *	ND (0.087)	ND (0.087)	ND (0.10)	ND (0.10)	ND (0.35)	ND (0.10)	ND (0.091)	ND (0.10)
QA/QC Notes				**1,2**	**1,2**								

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	GHWE-A Adj	GHWE-B Adj	GHWE-C 1 Block	FWCI-A Adj	FWCI-B Adj	FWCI-A 1 Block	FWCI-B 1 Block	FWCE-A Adj	FWCE-B Adj	FWCE-A 1 Block	FWCE-B 1 Block	BHDI	BHDE
Sample Type	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Caulk	Caulk
Sample Location	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Bath House	Bath House
Sampling Date	9/6/2011	9/6/2011	9/9/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/1/2011	9/1/2011
Submission Date	9/7/2011	9/7/2011	9/12/2011	9/7/2011	9/7/2011	9/14/2011	9/28/2011	9/7/2011	9/7/2011	9/28/2011	9/28/2011	9/7/2011	9/7/2011
Aroclor 1016	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	ND (1000) *	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	ND (340) *	ND (0.84)
Aroclor 1221	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	ND (1000) *	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	ND (340) *	ND (0.84)
Aroclor 1232	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	ND (1000) *	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	ND (340) *	ND (0.84)
Aroclor 1242	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	ND (1000) *	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	ND (340) *	ND (0.84)
Aroclor 1248	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	ND (1000) *	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	ND (340) *	ND (0.84)
Aroclor 1254	**0.27**	**0.18**	**0.39**	**2.4**	**7,300**	**0.2**	**0.37**	**7.2**	ND (0.087)	**0.23**	ND (0.095)	**1,800**	**4.8**
Aroclor 1260	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	ND (1000) *	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	ND (340) *	ND (0.84)
Aroclor 1262	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	ND (1000) *	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	ND (340) *	ND (0.84)
Aroclor 1268	ND (0.095)	ND (0.095)	ND (0.095)	ND (0.48)	ND (1000) *	ND (0.10)	ND (0.10)	ND (1.8)	ND (0.087)	ND (0.091)	ND (0.095)	ND (340) *	ND (0.84)
QA/QC Notes					2							2	

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	BHI-A	BHI-B	BHWI-A Adj	BHWI-B Adj	BHWI-A 1 Block	BHFI-A Adj	BHFI-B Adj	BHFI-B1 Adj	BHFI-A 6"	BHFI-A 12"	BHFI-B 12"	FHWC-A Adj	FHWC-B Adj
Sample Type	Caulk	Caulk	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Sample Location	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Filter House	Filter House
Sampling Date	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/9/2011	9/6/2011	9/6/2011	9/6/2011
Submission Date	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/12/2011	9/28/2011	9/28/2011	9/7/2011	9/7/2011
Aroclor 1016	ND (38000) *	ND (20000) *	ND (45) *	ND (19) *	ND (0.35)	ND (870) *	ND (0.50)	ND (43) *	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)
Aroclor 1221	ND (38000) *	ND (20000) *	ND (45) *	ND (19) *	ND (0.35)	ND (870) *	ND (0.50)	ND (43) *	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)
Aroclor 1232	ND (38000) *	ND (20000) *	ND (45) *	ND (19) *	ND (0.35)	ND (870) *	ND (0.50)	ND (43) *	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)
Aroclor 1242	ND (38000) *	ND (20000) *	ND (45) *	ND (19) *	ND (0.35)	ND (870) *	ND (0.50)	ND (43) *	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)
Aroclor 1248	ND (38000) *	ND (20000) *	ND (45) *	ND (19) *	ND (0.35)	ND (870) *	ND (0.50)	ND (43) *	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)
Aroclor 1254	**240,000**	**160,000**	**530**	**99**	**1.5**	**3,300**	**3.7**	**440**	**12**	**2.3**	**0.26**	**1**	**1.8**
Aroclor 1260	ND (38000) *	ND (20000) *	ND (45) *	ND (19) *	ND (0.35)	ND (870) *	ND (0.50)	ND (43) *	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)
Aroclor 1262	ND (38000) *	ND (20000) *	ND (45) *	ND (19) *	ND (0.35)	ND (870) *	ND (0.50)	ND (43) *	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)
Aroclor 1268	ND (38000) *	ND (20000) *	ND (45) *	ND (19) *	ND (0.35)	ND (870) *	ND (0.50)	ND (43) *	ND (2.0)	ND (0.48)	ND (0.087)	ND (0.45)	ND (0.50)
QA/QC Notes	2	2	2	2		2		2					

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	FHWC-A 1 Block	FHWC-B 1 Block	FHCI Adj	FHCI 1 Block	FHCE Adj	FHCE 1 Block	FHSC-A	FHSC-B	FHPC-A	FHPC-B	BHDEC	BHDIC	BHFI-C 18in
Sample Type	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Paint Chip	Paint Chip	Concrete	Concrete	Concrete
Sample Location	Filter House	Filter House	Filter House	Filter House	Filter House	Filter House	Filter House	Filter House	Filter House	Filter House	Bath House	Bath House	Bath House
Sampling Date	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/6/2011	9/9/2011	9/9/2011	10/18/2011	10/18/2011	10/19/2011
Submission Date	9/28/2011	9/28/2011	9/7/2011	9/28/2011	9/7/2011	9/28/2011	9/7/2011	9/7/2011	9/12/2011	9/12/2011	10/20/2011	10/20/2011	10/20/2011
Aroclor 1016	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	ND (50) *	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.37)	ND (1.4)	ND (0.10)	ND (0.091)	ND (0.095)
Aroclor 1221	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	ND (50) *	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.37)	ND (1.4)	ND (0.10)	ND (0.091)	ND (0.095)
Aroclor 1232	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	ND (50) *	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.37)	ND (1.4)	ND (0.10)	ND (0.091)	ND (0.095)
Aroclor 1242	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	ND (50) *	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.37)	ND (1.4)	ND (0.10)	ND (0.091)	ND (0.095)
Aroclor 1248	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	ND (50) *	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.37)	ND (1.4)	ND (0.10)	ND (0.091)	ND (0.095)
Aroclor 1254	**0.39**	ND (0.10)	**6.9**	ND (0.091)	**350**	ND (0.091)	ND (0.10)	**0.1**	**6.3**	**15**	ND (0.10)	ND (0.091)	**1.1**
Aroclor 1260	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	ND (50) *	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.37)	ND (1.4)	ND (0.10)	ND (0.091)	ND (0.095)
Aroclor 1262	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	ND (50) *	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.37)	ND (1.4)	ND (0.10)	ND (0.091)	ND (0.095)
Aroclor 1268	ND (0.095)	ND (0.10)	ND (2.0)	ND (0.091)	ND (50) *	ND (0.091)	ND (0.10)	ND (0.10)	ND (0.37)	ND (1.4)	ND (0.10)	ND (0.091)	ND (0.095)
QA/QC Notes					2								

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	BHFI-D 18in	BHFI-E 18in	BHFI-F 18in	BHFI-G 18in	BHFI-H 18in	BHFI-I 18in	BHFI-J 18in	BHFI-K 18in	BHFI-L 18in	BHWI-C 2 BLOCKS	BHWI-D 2 BLOCKS	BHWI-E 2 BLOCKS	BHWI-F 2 BLOCKS
Sample Type	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Sample Location	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House
Sampling Date	10/19/2011	10/19/2011	10/19/2011	10/19/2011	10/19/2011	10/19/2011	10/19/2011	10/19/2011	10/19/2011	10/19/2011	10/18/2011	10/18/2011	10/18/2011
Submission Date	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011
Aroclor 1016	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.10)	ND (0.95)	ND (0.95)	ND (0.10)	ND (0.10)	ND (0.50)	ND (2.0)	ND (0.95)	ND (1.8)	ND (5.0) *
Aroclor 1221	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.10)	ND (0.95)	ND (0.95)	ND (0.10)	ND (0.10)	ND (0.50)	ND (2.0)	ND (0.95)	ND (1.8)	ND (5.0) *
Aroclor 1232	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.10)	ND (0.95)	ND (0.95)	ND (0.10)	ND (0.10)	ND (0.50)	ND (2.0)	ND (0.95)	ND (1.8)	ND (5.0) *
Aroclor 1242	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.10)	ND (0.95)	ND (0.95)	ND (0.10)	ND (0.10)	ND (0.50)	ND (2.0)	ND (0.95)	ND (1.8)	ND (5.0) *
Aroclor 1248	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.10)	ND (0.95)	ND (0.95)	ND (0.10)	ND (0.10)	ND (0.50)	ND (2.0)	ND (0.95)	ND (1.8)	ND (5.0) *
Aroclor 1254	**8.1**	**7.0**	**2.5**	**1.3**	**7.3**	**8.3**	**0.45**	**1.3**	**3.7**	**20**	**8.4**	**10**	**39**
Aroclor 1260	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.10)	ND (0.95)	ND (0.95)	ND (0.10)	ND (0.10)	ND (0.50)	ND (2.0)	ND (0.95)	ND (1.8)	ND (5.0) *
Aroclor 1262	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.10)	ND (0.95)	ND (0.95)	ND (0.10)	ND (0.10)	ND (0.50)	ND (2.0)	ND (0.95)	ND (1.8)	ND (5.0) *
Aroclor 1268	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.10)	ND (0.95)	ND (0.95)	ND (0.10)	ND (0.10)	ND (0.50)	ND (2.0)	ND (0.95)	ND (1.8)	ND (5.0) *
QA/QC Notes													2

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	BHWI-G 2 BLOCKS	BHWI-H 2 BLOCKS	BHWI-I 2 BLOCKS	BHWI-J 2 BLOCKS	BHWI-K 2 BLOCKS	BHWI-L 2 BLOCKS	GHDEC	GHDIC	GHFI-A 12in	GHFI-B 12in	GHFI-D 12in	GHFI-E 12in	GHFI-F 12in
Sample Type	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Sample Location	Bath House	Bath House	Bath House	Bath House	Bath House	Bath House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House
Sampling Date	10/18/2011	10/18/2011	10/19/2011	10/19/2011	10/19/2011	10/19/2011	10/18/2011	10/18/2011	9/6/2011	9/6/2011	10/18/2011	10/18/2011	10/18/2011
Submission Date	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011
Aroclor 1016	ND (1.0)	ND (0.95)	ND (0.91)	ND (0.095)	ND (0.10)	ND (0.50)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.48)	ND (0.45)	ND (0.50)	ND (1.0)
Aroclor 1221	ND (1.0)	ND (0.95)	ND (0.91)	ND (0.095)	ND (0.10)	ND (0.50)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.48)	ND (0.45)	ND (0.50)	ND (1.0)
Aroclor 1232	ND (1.0)	ND (0.95)	ND (0.91)	ND (0.095)	ND (0.10)	ND (0.50)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.48)	ND (0.45)	ND (0.50)	ND (1.0)
Aroclor 1242	ND (1.0)	ND (0.95)	ND (0.91)	ND (0.095)	ND (0.10)	ND (0.50)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.48)	ND (0.45)	ND (0.50)	ND (1.0)
Aroclor 1248	ND (1.0)	ND (0.95)	ND (0.91)	ND (0.095)	ND (0.10)	ND (0.50)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.48)	ND (0.45)	ND (0.50)	ND (1.0)
Aroclor 1254	**10**	**5.1**	**4.9**	**0.69**	**1.1**	**4.2**	**0.15**	**1.1**	**1.1**	**2.5**	**2.8**	**2.2**	**1.9**
Aroclor 1260	ND (1.0)	ND (0.95)	ND (0.91)	ND (0.095)	ND (0.10)	ND (0.50)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.48)	ND (0.45)	ND (0.50)	ND (1.0)
Aroclor 1262	ND (1.0)	ND (0.95)	ND (0.91)	ND (0.095)	ND (0.10)	ND (0.50)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.48)	ND (0.45)	ND (0.50)	ND (1.0)
Aroclor 1268	ND (1.0)	ND (0.95)	ND (0.91)	ND (0.095)	ND (0.10)	ND (0.50)	ND (0.10)	ND (0.091)	ND (0.10)	ND (0.48)	ND (0.45)	ND (0.50)	ND (1.0)
QA/QC Notes													

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	GHFI-G 12in	GHFI-H 12in	GHFI-I 12in	GHFI-J 12in	GHFI-K 12in	GHWI-D 1 BLOCK	GHWI-E 1 BLOCK	GHWI-F 1 BLOCK	GHWI-G 1 BLOCK	GHWI-H 1 BLOCK	GHWI-I 1 BLOCK	GHWI-J 1 BLOCK	GHWI-K 1 BLOCK
Sample Type	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete	Concrete
Sample Location	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House	Guard House
Sampling Date	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011
Submission Date	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011
Aroclor 1016	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.91)	ND (0.10)	ND (1.0)	ND (0.95)	ND (0.45)	ND (1.0)	ND (0.50)	ND (0.095)	ND (0.91)	ND (0.95)
Aroclor 1221	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.91)	ND (0.10)	ND (1.0)	ND (0.95)	ND (0.45)	ND (1.0)	ND (0.50)	ND (0.095)	ND (0.91)	ND (0.95)
Aroclor 1232	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.91)	ND (0.10)	ND (1.0)	ND (0.95)	ND (0.45)	ND (1.0)	ND (0.50)	ND (0.095)	ND (0.91)	ND (0.95)
Aroclor 1242	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.91)	ND (0.10)	ND (1.0)	ND (0.95)	ND (0.45)	ND (1.0)	ND (0.50)	ND (0.095)	ND (0.91)	ND (0.95)
Aroclor 1248	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.91)	ND (0.10)	ND (1.0)	ND (0.95)	ND (0.45)	ND (1.0)	ND (0.50)	ND (0.095)	ND (0.91)	ND (0.95)
Aroclor 1254	**6.4**	**6.3**	**2.7**	**11**	**0.72**	**7.6**	**8.2**	**2.7**	**7.6**	**2.6**	**1.0**	**9.8**	**9.4**
Aroclor 1260	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.91)	ND (0.10)	ND (1.0)	ND (0.95)	ND (0.45)	ND (1.0)	ND (0.50)	ND (0.095)	ND (0.91)	ND (0.95)
Aroclor 1262	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.91)	ND (0.10)	ND (1.0)	ND (0.95)	ND (0.45)	ND (1.0)	ND (0.50)	ND (0.095)	ND (0.91)	ND (0.95)
Aroclor 1268	ND (0.95)	ND (1.0)	ND (0.48)	ND (0.91)	ND (0.10)	ND (1.0)	ND (0.95)	ND (0.45)	ND (1.0)	ND (0.50)	ND (0.095)	ND (0.91)	ND (0.95)
QA/QC Notes													

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

Table 1
PCB Analytical Data
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts 01550

Sample ID	PBS-E	PDJC-A	PDJC-B	PDJC-C	PVS-A	PVS-B	PVS-C	PVSC-A 6in	PVSC-B 6in	PVSC-C 6in	PVSC-D 6in
Sample Type	Caulk	Concrete	Concrete	Concrete	Caulk	Caulk	Caulk	Concrete	Concrete	Concrete	Concrete
Sample Location	Main Pool	Pool Deck	Pool Deck	Pool Deck	Main Pool	Main Pool	Main Pool	Main Pool	Main Pool	Main Pool	Main Pool
Sampling Date	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011	10/18/2011
Submission Date	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011	10/20/2011
Aroclor 1016	ND (0.93)	ND (0.095)	ND (0.091)	ND (0.10)	ND (0.99)	ND (0.86)	ND (4.6) *	ND (0.10)	ND (0.10)	ND (0.095)	ND (0.091)
Aroclor 1221	ND (0.93)	ND (0.095)	ND (0.091)	ND (0.10)	ND (0.99)	ND (0.86)	ND (4.6) *	ND (0.10)	ND (0.10)	ND (0.095)	ND (0.091)
Aroclor 1232	ND (0.93)	ND (0.095)	ND (0.091)	ND (0.10)	ND (0.99)	ND (0.86)	ND (4.6) *	ND (0.10)	ND (0.10)	ND (0.095)	ND (0.091)
Aroclor 1242	ND (0.93)	ND (0.095)	ND (0.091)	ND (0.10)	ND (0.99)	ND (0.86)	ND (4.6) *	ND (0.10)	ND (0.10)	ND (0.095)	ND (0.091)
Aroclor 1248	ND (0.93)	ND (0.095)	ND (0.091)	ND (0.10)	ND (0.99)	ND (0.86)	**78**	ND (0.10)	ND (0.10)	ND (0.095)	ND (0.091)
Aroclor 1254	ND (0.93)	ND (0.095)	ND (0.091)	ND (0.10)	**3.3**	ND (0.86)	ND (4.6) *	ND (0.10)	ND (0.10)	ND (0.095)	ND (0.091)
Aroclor 1260	ND (0.93)	ND (0.095)	ND (0.091)	ND (0.10)	ND (0.99)	ND (0.86)	ND (4.6) *	ND (0.10)	ND (0.10)	ND (0.095)	ND (0.091)
Aroclor 1262	ND (0.93)	ND (0.095)	ND (0.091)	ND (0.10)	ND (0.99)	ND (0.86)	ND (4.6) *	ND (0.10)	ND (0.10)	ND (0.095)	ND (0.091)
Aroclor 1268	ND (0.93)	ND (0.095)	ND (0.091)	ND (0.10)	ND (0.99)	ND (0.86)	ND (4.6) *	ND (0.10)	ND (0.10)	ND (0.095)	ND (0.091)
QA/QC Notes							1,2				

QA/QC Notes:
1 = Elevated reporting limit due to sample matrix interference. Requested detection limit not met.
2 = The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.
3 = The surrogate recovery for this sample cannot be accurately quantified due to interference from coeluting organic compounds present in the sample extract.

TABLE 2
PCBs in Building Materials Evaluation
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts

Sample ID	Material	Sample Location	PCB Concentration ppm unless noted	Material Type	Waste Management Determination	Sample Date
Pool Deck						
YEE-01	Grey Caulk	Expansion Joint	ND (1.670)	**Demo Debris**	**Demo Debris**	12/5/08
PDG -2	Grey Caulk	Expansion Joint	ND (0.14)			4/29/11
PDG -3	Grey Caulk	Expansion Joint	ND (0.0651)			4/29/11
PDG -4	Grey Caulk	Expansion Joint	ND (11.8)			4/29/11
PDG-A	Grey Caulk	Expansion Joint	ND (0.91)			9/1/11
PDB -1	**Black Caulk**	**Expansion Joint**	**3.08**	**Excluded PCB Product**	**> 50 ppm PCB**	4/29/11
PDB -8	Black Caulk	Expansion Joint	ND (1.48)			4/29/11
PDB -11	Black Caulk	Expansion Joint	ND (1.2)			4/29/11
PDB -14	**Black Caulk**	**Expansion Joint**	**7.42**			4/29/11
PDB -15	**Black Caulk**	**Expansion Joint**	**0.925**			4/29/11
PDB-18	**Black Caulk**	**Expansion Joint (exact location unknown)**	**0.925 B**			4/29/11
PDB-A	**Black Caulk**	**Expansion Joint**	**27**			9/1/11
PDB-A1	**Black Caulk (Dup.)**	**Expansion Joint**	**34**			9/1/11
PDB-B	**Black Caulk**	**Expansion Joint**	**1.5**			9/1/11
PDB-C	Black Caulk	Expansion Joint	ND (0.90)			9/1/11
YEE-02	Concrete	Deck Near Guard House	ND (0.100)	**Demo Debris except for 1 ft from Guard House exterior caulk - See Guard House**	**Demo Debris except for 1 ft from Guard House exterior caulk - See Guard House**	12/5/08
PDC-A Adj	Concrete	Deck Adjacent to Gutter	ND (0.10)			9/9/11
PDC-A1 Adj	Concrete (Dup.)	Deck Adjacent to Gutter	ND (0.091)			9/9/11
PDC-B Adj	Concrete	Deck Adjacent to Gutter	ND (0.091)			9/9/11
PDC-C Adj	Concrete	Deck Adjacent to Gutter	ND (0.095)			9/9/11
PDJC-A	Concrete	Adjacent to Pool Deck Expansion Joint (PDB-A)	ND (0.095)			10/18/11
PDJC-B	Concrete	Adjacent to Pool Deck Expansion Joint (PDB-14)	ND (0.091)			10/18/11
PDJC-C	Concrete	Adjacent to Pool Deck Expansion Joint (PDB -1)	ND (0.10)			10/18/11
Main Pool						
PSC -2	**Caulk**	**Pool Gutter Sill**	**16.8**	**PCB Bulk Product**	**PCB Bulk Product Waste**	4/29/11
PSC -4	**Caulk**	**Pool Gutter Sill**	**27,100**			4/29/11
PSC -5	**Caulk**	**Pool Gutter Sill**	**32,200**			4/29/11
PGW-A	Gutter Wipe	Pool Gutter Face	ND (0.20 µg/100 cm^2)	**Demo Debris**	**Demo Debris**	9/1/11
PGW-B	Gutter Wipe	Pool Gutter Face	ND (0.20 µg/100 cm^2)			9/1/11
YEE-03	**Caulk (Vertical)**	**Wall Joint**	**2,500**	**PCB Bulk Product**	**PCB Bulk Product Waste**	12/5/08
PVS-A	Caulk (Vertical)	Wall Joint (one foot from gutter)	3.3			10/18/11
PVS-B	Caulk (Vertical)	Wall Joint (mid wall)	ND (34)			10/18/11
PVS-C	Caulk (Vertical)	Wall Joint (mid wall)	78			10/18/11
PVSC-A 6"	Concrete	Wall 6" from Vertical Joint Seam	ND (0.10)	**Demo Debris**	**Demo Debris - except for within 6-inches of gutter sill or vertical caulk joint which is assumed to be PCB Remediation Waste < 50 ppm**	10/18/11
PVSC-B 6"	Concrete	Wall 6" from Vertical Joint Seam	ND (0.10)			10/18/11
PVSC-C 6"	Concrete	Wall 6" from Vertical Joint Seam	ND (0.095)			10/18/11
PVSC-D 6"	Concrete	Wall 6" from Vertical Joint Seam	ND (0.091)			10/18/11
PWC-A Adj S	Concrete	Wall Adjacent to Gutter 0-0.5" Below Surface	ND (0.095)			9/9/11
PWC-B Adj S	Concrete	Wall Adjacent to Gutter 0-0.5" Below Surface	ND (0.091)			9/9/11
PWC-C Adj S	Concrete	Wall Adjacent to Gutter 0-0.5" Below Surface	ND (0.091)			9/9/11
PWC-A Adj D	Concrete	Wall Adjacent to Gutter 1-1.5" Below Surface	ND (0.095)			9/9/11
PWC-B Adj D	Concrete	Wall Adjacent to Gutter 1-1.5" Below Surface	ND (0.10)			9/9/11
PWC-C Adj D	Concrete	Wall Adjacent to Gutter 1-1.5" Below Surface	ND (0.091)			9/9/11
PWC-A 6"	Concrete	Wall 6" from Gutter	ND (0.095)			9/9/11
PWC-B 6"	Concrete	Wall 6" from Gutter	ND (0.095)			9/9/11
YEE-#1	Wall Wipe	Wall	ND (0.500 µg/100 cm^2)	**Demo Debris**	**Demo Debris**	6/1/09
YEE-#2	Wall Wipe	Wall	ND (0.500 µg/100 cm^2)			6/1/09
YEE-#3	Wall Wipe	Wall	ND (0.500 µg/100 cm^2)			6/1/09
PBS -1	**Caulk**	**Bottom Joint**	**1.37**	**Excluded PCB Product**	**PCB < 50 ppm**	4/29/11
PBS -3	Caulk	Bottom Joint	ND (0.638)			4/29/11
PBS -6	Caulk	Bottom Joint	ND (0.279)			4/29/11
PBS -7	Caulk	Bottom Joint	ND (0.199)			4/29/11
PBS-A	Caulk	Bottom Joint	ND (0.92)			9/1/11
PBS-A1	Caulk (Dup.)	Bottom Joint	ND (0.93)			9/1/11
PBS-C	Caulk	Bottom Joint (stairs)	ND (18)			9/1/11
PBS-D	Caulk	Bottom Joint (stairs)	**14**			9/1/11
PBS-E	Caulk	Bottom Joint (stairs)	ND (9.3)			10/18/11
PBC-A Adj S	Concrete	Bottom Concrete Adjacent to Joint 0-0.5" Below Surface	ND (0.087)	**Demo Debris**	**Demo Debris**	9/9/11
PBC-B Adj S	Concrete	Bottom Concrete Adjacent to Joint 0-0.5" Below Surface	ND (0.10)			9/9/11
PBC-C Adj S	Concrete	Bottom Concrete Adjacent to Joint 0-0.5" Below Surface (stairs)	ND (0.10)			9/9/11
PBC-D Adj S	Concrete	Bottom Concrete Adjacent to Joint 0-0.5" Below Surface (stairs)	ND (0.091)			9/9/11
PBC-A Adj D	Concrete	Bottom Concrete Adjacent to Joint 1-1.5" Below Surface	ND (0.10)			9/9/11
PBC-B Adj D	Concrete	Bottom Concrete Adjacent to Joint 1-1.5" Below Surface	ND (0.091)			9/9/11
PBC-C Adj D	Concrete	Bottom Concrete Adjacent to Joint 1-1.5" Below Surface (stairs)	ND (0.091)			9/9/11
PBC-D Adj D	Concrete	Bottom Concrete Adjacent to Joint 1-1.5" Below Surface (stairs)	ND (0.091)			9/9/11
PBC-A 12"	Concrete	Bottom Concrete 12" from Joint	ND (0.10)			9/9/11
PBC-B 12"	Concrete	Bottom Concrete 12" from Joint	ND (0.10)			9/9/11
PBC-C 12"	**Concrete**	**Bottom Concrete 12" from Joint (stairs)**	**0.52**			9/9/11
PBC-D 12"	Concrete	Bottom Concrete 12" from Joint (stairs)	ND (0.10)			9/9/11
YEE-04	Paint Chip (Blue/Green)	Paint Chip	ND (2.330)	**Excluded PCB Product**	**Excluded PCB Product**	12/5/08
PPC -1	**Paint Chip (Black)**	**Paint Chip (stairs)**	**0.0602**			4/29/11
PPC -3	**Paint Chip (Mix)**	**Paint Chip (stairs)**	**4.11**			4/29/11
PPC -4	**Paint Chip (Mix)**	**Paint Chip (stairs)**	**7.13**			4/29/11
PPC-A	Paint Chip (Blue)	Bottom Paint Chip	ND (0.10)			9/9/11
PPC-B	Paint Chip (Blue)	Bottom Paint Chip	ND (0.10)			9/9/11
PPC-C	Paint Chip (Blue)	Bottom Chip (stairs)	ND (0.10)			9/9/11
PPC-D	Paint Chip (Blue)	Bottom Chip (stairs)	ND (0.087)			9/9/11
Wading Pool						
KPC-A S	Concrete	0-0.5" Below Surface	ND (0.10)	**Demo Debris**	**Demo Debris**	9/9/11
KPC-B	Concrete	0-0.5" Below Surface	ND (0.10)			9/9/11
KPC-A D	**Concrete**	**1-1.5" Below Surface**	**0.25**			9/9/11
KPPC -1	**Paint Chip (Blue)**	**Paint Chip**	**5.1**	**Excluded PCB Product**	**Excluded PCB Product**	4/29/11
KPPC -2	**Paint Chip (White)**	**Paint Chip**	**5.1**			4/29/11
KPPC -3	**Paint Chip (Blue)**	**Paint Chip**	**1.84**			4/29/11
KPPC -4	**Paint Chip (White)**	**Paint Chip**	**1.84**			4/29/11

TABLE 2
PCBs in Building Materials Evaluation
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts

Sample ID	Material	Sample Location	PCB Concentration ppm unless noted	Material Type	Waste Management Determination	Sample Date
Guard House						
PCB -5	Caulk	Bathroom Door Jamb	7.84	Excluded PCB Product	> 50 ppm PCB	4/29/11
GHDI	Caulk	Door Frame Interior Caulk	10			9/1/11
GHDE	Caulk	Door Frame Exterior Caulk	1.2			9/1/11
GHDIC	Concrete	Interior Concrete Wall Adjacent to Door Frame	1.1	PCB Remediation Waste	PCB Remediation Waste - encapsulate	10/18/11
GHDEC	Concrete	Exterior Concrete Wall Adjacent to Door Frame	0.15	Demo Debris	Demo Debris	10/18/11
PCB -7	Caulk	Interior Building Foundation	151,000	PCB Bulk Product	PCB Bulk Product Waste	4/29/11
GHI-A	Caulk	Interior Building Foundation	180,000			9/1/11
GHFI-C Adj	Concrete	Interior Floor Adjacent to Wall	0.23	PCB Remediation Waste	PCB Remediation Waste - encapsulate	9/9/11
GHFI-A 6"	Concrete	Interior Floor 6" from Wall	1.5			9/6/11
GHFI-B 6"	Concrete	Interior Floor 6" from Wall	1.9			9/6/11
GHFI-A 12"	Concrete	Interior Floor 12" from Wall	1.1			9/6/11
GHFI-B 12"	Concrete	Interior Floor 12" from Wall	2.5			9/6/11
GHFI-D 12"	Concrete	Interior Floor 12" from Wall	2.8			10/18/11
GHFI-E 12"	Concrete	Interior Floor 12" from Wall	2.2			10/18/11
GHFI-F 12"	Concrete	Interior Floor 12" from Wall	1.9			10/18/11
GHFI-G 12"	Concrete	Interior Floor 12" from Wall	6.4			10/18/11
GHFI-H 12"	Concrete	Interior Floor 12" from Wall	6.3			10/18/11
GHFI-I 12"	Concrete	Interior Floor 12" from Wall	2.7			10/18/11
GHFI-J 12"	Concrete	Interior Floor 12" from Wall	11			10/18/11
GHFI-K 12"	Concrete	Interior Floor 12" from Wall	0.72			10/18/11
GHWI-A Adj	Concrete Wall Interior	Wall Adjacent to Floor Caulk	99	PCB Remediation Waste	PCB Remediation Waste - encapsulate	9/6/11
GHWI-A1 Adj	Concrete Wall Interior (Dup.)	Wall Adjacent to Floor Caulk	48			9/6/11
GHWI-B Adj	Concrete Wall Interior	Wall Adjacent to Floor Caulk	740			9/6/11
GHWI-C Adj	Concrete Wall Interior	Wall Adjacent to Floor Caulk	ND (0.095)			9/9/11
GHWI-A 1 Block	Concrete Wall Interior	Wall 1 CMU Block from Floor Caulk	0.31			9/6/11
GHWI-B 1 Block	Concrete Wall Interior	Wall 1 CMU Block from Floor Caulk	0.96			9/6/11
GHWI-C 1 Block	Concrete Wall Interior	Wall 1 CMU Block from Floor Caulk	0.22			9/9/11
GHWI-D 1 Block	Concrete Wall Interior	Wall 1 CMU Block from Floor Caulk	7.6			10/18/11
GHWI-E 1 Block	Concrete Wall Interior	Wall 1 CMU Block from Floor Caulk	8.2			10/18/11
GHWI-F 1 Block	Concrete Wall Interior	Wall 1 CMU Block from Floor Caulk	2.7			10/18/11
GHWI-G 1 Block	Concrete Wall Interior	Wall 1 CMU Block from Floor Caulk	7.6			10/18/11
GHWI-H 1 Block	Concrete Wall Interior	Wall 1 CMU Block from Floor Caulk	2.6			10/18/11
GHWI-I 1 Block	Concrete Wall Interior	Wall 1 CMU Block from Floor Caulk	1.0			10/18/11
GHWI-J 1 Block	Concrete Wall Interior	Wall 1 CMU Block from Floor Caulk	9.8			10/18/11
GHWI-K 1 Block	Concrete Wall Interior	Wall 1 CMU Block from Floor Caulk	9.4			10/18/11
GH -1	Caulk	Exterior Building Foundation	ND (65.2)	PCB Bulk Product	PCB Bulk Product Waste	4/29/11
GH -2	Caulk	Exterior Building Foundation	ND (5,350)			4/29/11
GHE-A	Caulk	Exterior Building Foundation	ND (190)			9/9/11
GHE-B	Caulk	Exterior Building Foundation	ND (190)			9/9/11
GHFE-A Adj	Concrete Floor	Exterior Concrete Deck Adjacent to Wall Caulk	ND (0.087)	PCB Remediation Waste	PCB Remediation Waste < 50 ppm PCBs to 1 ft from PCB Bulk Product Caulk	9/9/11
GHFE-B Adj	Concrete Floor	Exterior Concrete Deck Adjacent to Wall Caulk	ND (0.087)			9/9/11
GHFE-C Adj	Concrete Floor	Exterior Concrete Deck Adjacent to Wall Caulk	ND (0.10)			9/9/11
GHFE-A 6"	Concrete Floor	Exterior Concrete Deck 6" from Wall Caulk	ND (0.10)			9/9/11
GHFE-B 6"	Concrete Floor	Exterior Concrete Deck 6" from Wall Caulk	1.6			9/9/11
GHFE-A 12"	Concrete Floor	Exterior Concrete Deck 12" from Wall Caulk	ND (0.10)			9/9/11
GHFE-B 12"	Concrete Floor	Exterior Concrete Deck 12" from Wall Caulk	ND (0.091)			9/9/11
GHFE-C 12"	Concrete Floor	Exterior Concrete Deck 12" from Wall Caulk	ND (0.10)			9/9/11
GHWE-A Adj	Concrete	Exterior Wall Adjacent to Ground Caulk	0.27	Demo Debris	PCB Remediation Waste < 50 ppm PCBs to 1 CMU Block out	9/6/11
GHWE-B Adj	Concrete	Exterior Wall Adjacent to Ground Caulk	0.18			9/6/11
GHWE-C 1 Block	Concrete	Exterior Wall 1 Block from Ground Caulk	0.39			9/9/11
PCB -9	Caulk (Glazing)	First Aid Window	96.9	PCB Bulk Product	PCB Bulk Product Waste	4/29/11
PCB -6	Window Frame Caulk	First Aid Window	138,000	PCB Bulk Product	PCB Bulk Product Waste	4/29/11
FWCI-A Adj	Concrete Interior	First Aid Window Concrete Adjacent to Window Caulk(Vertical)	2.4	PCB Remediation Waste	PCB Remediation Waste - encapsulate	9/6/11
FWCI-B Adj	Concrete Interior	First Aid Window Concrete Adjacent to Window Caulk (Horizontal)	7,300			9/6/11
FWCI-A 1 Block	Concrete Interior	First Aid Window Concrete 1 Block from Window Caulk(Vertical)	0.20			9/6/11
FWCI-B 1 Block	Concrete Interior	First Aid Window Concrete 1 Block from Window Caulk (Horizontal)	0.37			9/6/11
FWCE-A Adj	Concrete Exterior	First Aid Window Concrete Adjacent to Window Caulk (Vertical)	7.2	PCB Remediation Waste	PCB Remediation Waste > 50 ppm 1 CMU block out from window	9/6/11
FWCE-B Adj	Concrete Exterior	First Aid Window Concrete Adjacent to Window Caulk (Horizontal)	ND (0.087)			9/6/11
FWCE-A 1 Block	Concrete Exterior	First Aid Window Concrete 1 Block from Window Caulk (Vertical)	0.23			9/6/11
FWCE-B 1 Block	Concrete Exterior	First Aid Window Concrete 1 Block from Window Caulk (Horizontal)	ND (0.095)			9/6/11
Bath House						
PCB -2	Door Caulk	Bath House Heater Room Door Jamb	1.68	PCB Bulk Product	PCB Bulk Product Waste	4/29/11
BHDI	Interior Caulk	Bath House Door Frame Interior Caulk	1,800			9/1/11
BHDE	Exterior Caulk	Bath House Door Frame Exterior Caulk	4.8			9/1/11
BHDIC	Concrete	Interior Concrete Adjacent to Door Frame	ND (0.091)	Demo Debris	PCB < 50 ppm - encapsulate	10/18/11
BHDEC	Concrete	Exterior Concrete Adjacent to Door Frame	ND (0.10)	Demo Debris	Demo Debris	10/18/11
PCB -15	Foundation Caulk	Bath House Interior Foundation	114,000	PCB Bulk Product	PCB Bulk Product Waste	4/29/11
BHI-A	Foundation Caulk	Bath House Interior Building Foundation	240,000			9/9/11
BHI-B	Foundation Caulk	Bath House Interior Building Foundation	160,000			9/9/11
BHWI-A Adj	Concrete Wall Interior	Bath House Wall Adjacent to Floor	530	PCB Remediation Waste	PCB Remediation Waste - encapsulate	9/9/11
BHWI-B Adj	Concrete Wall Interior	Bath House Wall Adjacent to Floor	99			9/9/11
BHWI-A 1 Block	Concrete Wall Interior	Bath House Wall 1 Block from Floor	1.5			9/9/11
BHWI-C 2 Blocks	Concrete Wall Interior	Bath House Wall 2 Blocks from Floor	20			10/19/11
BHWI-D 2 Blocks	Concrete Wall Interior	Bath House Wall 2 Blocks from Floor	8.4			10/19/11
BHWI-E 2 Blocks	Concrete Wall Interior	Bath House Wall 2 Blocks from Floor	10			10/19/11
BHWI-F 2 Blocks	Concrete Wall Interior	Bath House Wall 2 Blocks from Floor	39			10/19/11
BHWI-G 2 Blocks	Concrete Wall Interior	Bath House Wall 2 Blocks from Floor	10			10/19/11
BHWI-H 2 Blocks	Concrete Wall Interior	Bath House Wall 2 Blocks from Floor	5.1			10/19/11
BHWI-I 2 Blocks	Concrete Wall Interior	Bath House Wall 2 Blocks from Floor	4.9			10/19/11
BHWI-J 2 Blocks	Concrete Wall Interior	Bath House Wall 2 Blocks from Floor	0.69			10/19/11
BHWI-K 2 Blocks	Concrete Wall Interior	Bath House Wall 2 Blocks from Floor	1.1			10/19/11
BHWI-L 2 Blocks	Concrete Wall Interior	Bath House Wall 2 Blocks from Floor	4.2			10/19/11
BHFI-A Adj	Concrete Floor Interior	Bath House Interior Floor Adjacent to Wall	3,300	PCB Remediation Waste	PCB Remediation Waste - encapsulate	9/9/11
BHFI-B Adj	Concrete Floor Interior	Bath House Interior Floor Adjacent to Wall	3.7			9/9/11
BHFI-B1 Adj	Concrete Floor Interior (Dup.)	Bath House Interior Floor Adjacent to Wall	440			9/9/11
BHFI-A 6"	Concrete Floor Interior	Bath House Interior Floor 6" from Wall	12			9/9/11
BHFI-A 12"	Concrete Floor Interior	Bath House Interior Floor 12" from Wall	2.3			9/9/11
BHFI-B 12"	Concrete Floor Interior	Bath House Interior Floor 12" from Wall	0.26			9/9/11
BHFI-C 18"	Concrete Floor Interior	Bath House Interior Floor 18" from Wall	1.1			10/19/11
BHFI-D 18"	Concrete Floor Interior	Bath House Interior Floor 18" from Wall	8.1			10/19/11
BHFI-E 18"	Concrete Floor Interior	Bath House Interior Floor 18" from Wall	7.0			10/19/11
BHFI-F 18"	Concrete Floor Interior	Bath House Interior Floor 18" from Wall	2.5			10/19/11
BHFI-G 18"	Concrete Floor Interior	Bath House Interior Floor 18" from Wall	1.3			10/19/11
BHFI-H 18"	Concrete Floor Interior	Bath House Interior Floor 18" from Wall	7.3			10/19/11
BHFI-I 18"	Concrete Floor Interior	Bath House Interior Floor 18" from Wall	8.3			10/19/11
BHFI-J 18"	Concrete Floor Interior	Bath House Interior Floor 18" from Wall	0.45			10/19/11
BHFI-K 18"	Concrete Floor Interior	Bath House Interior Floor 18" from Wall	1.3			10/19/11
BHFI-L 18"	Concrete Floor Interior	Bath House Interior Floor 18" from Wall	3.7			10/19/11

TABLE 2
PCBs in Building Materials Evaluation
Andrew J. Petro Swimming Pool
Randolph Street
Southbridge, Massachusetts

Sample ID	Material	Sample Location	PCB Concentration ppm unless noted	Material Type	Waste Management Determination	Sample Date
Filter House						
PCB -12	**Caulk**	**Closet Window**	**79,600**	**PCB Bulk Product**	**PCB Bulk Product Waste**	4/29/11
FHWC-A Adj	**Concrete**	**Window Concrete Adjacent to Window (Vertical)**	**1**	**PCB Remediation Waste**	**PCB Remediation Waste 1 CMU block out from door frame**	9/6/11
FHWC-B Adj	**Concrete**	**Window Concrete Adjacent to Window (Horizontal)**	**1.8**			9/6/11
FHWC-A 1 Block	Concrete	Window Concrete 1 Block from Window (Vertical)	**0.39**			9/6/11
FHWC-B 1 Block	Concrete	Window Concrete 1 Block from Window (Horizontal)	ND (0.10)			9/6/11
FHCI Adj	**Concrete**	**Closet Interior Concrete Adjacent to Door Frame**	**6.9**	**PCB Remediation Waste**	**PCB Remediation Waste 1 CMU block out from door frame**	9/6/11
FHCI 1 Block	Concrete	Closet Interior Concrete 1 Block from Door Frame	ND (0.091)			9/6/11
FHCE Adj	**Concrete**	**Closet Exterior Concrete Adjacent to Door Frame**	**350**	**PCB Remediation Waste**	**PCB Remediation Waste > 50 ppm 1 CMU block out from**	9/6/11
FHCE 1 Block	Concrete	Closet Exterior Concrete 1 Block from Door Frame	ND (0.091)			9/6/11
FHSC-A	Concrete	Sump Wall Concrete	ND (0.10)	**Demo Debris**	**Demo Debris**	9/6/11
FHSC-B	**Concrete**	**Sump Wall Concrete**	**0.1**			9/6/11
PCB -14	**Paint Chip (Blue)**	**Sump Wall Paint Chip**	**5.4**	**Excluded PCB Product**	**Excluded PCB Product**	4/29/11
FHPC-A	**Paint Chip (Blue)**	**Sump Wall Paint Chip**	**6.3**			9/9/11
FHPC-B	**Paint Chip (Blue)**	**Sump Wall Paint Chip**	**15**			9/9/11

PCB Concentrations = milligrams per kilogram (mg/kg) (parts per million (ppm)), unless otherwise noted
Bold = PCBs detected
Yellow Highlight = Sealant PCB Concentration ≥ 50 ppm = PCB Bulk Product Waste
Green Highlighted = Masonry adjacent to PCB Bulk Product Sealant ≥ 1 ppm = PCB Remediation Waste
Orange Highlight Date = Data quality suspect
B = PCB detected at concentration less than 5 times concentration present in associated method blank
ND = Not Detected above noted laboratory detection limit
Samples from 12/5/08 and 6/1/09 by Yee Consulting Group
Samples from 4/29/11 by Nobois Engineering Inc.
All other samples by ATC
Samples noted in red are new since 10/24/11 Notification submittal

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

November 22, 2011

Michael Gitten
ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801

Project Location: Southbridge Pool
Client Job Number:
Project Number: 060.29841.0002
Laboratory Work Order Number: 11J0770

Enclosed are results of analyses for samples received by the laboratory on October 20, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley
Project Manager

con-test® ANALYTICAL LABORATORY

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

ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Michael Gitten

REPORT DATE: 11/22/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 060.29841.0002

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11J0770

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

PROJECT LOCATION: Southbridge Pool

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
PDJC-A	11J0770-01	Product/Solid		SW-846 8082A	
PDJC-B	11J0770-02	Product/Solid		SW-846 8082A	
PDJC-C	11J0770-03	Product/Solid		SW-846 8082A	
PVS-A	11J0770-04	Product/Solid		SW-846 8082A	
PVS-B	11J0770-05	Product/Solid		SW-846 8082A	
PVS-C	11J0770-06	Product/Solid		SW-846 8082A	
PVSC-A 6in	11J0770-07	Product/Solid		SW-846 8082A	
PVSC-B 6in	11J0770-08	Product/Solid		SW-846 8082A	
PVSC-C 6in	11J0770-09	Product/Solid		SW-846 8082A	
PVSC-D 6in	11J0770-10	Product/Solid		SW-846 8082A	
PBS-E	11J0770-11	Product/Solid		SW-846 8082A	
GHDIC	11J0770-12	Product/Solid		SW-846 8082A	
GHDEC	11J0770-13	Product/Solid		SW-846 8082A	
GHFI-A 12in	11J0770-14	Product/Solid		SW-846 8082A	
GHFI-B 12in	11J0770-15	Product/Solid		SW-846 8082A	
GHFI-D 12in	11J0770-16	Product/Solid		SW-846 8082A	
GHFI-E 12in	11J0770-17	Product/Solid		SW-846 8082A	
GHFI-F 12in	11J0770-18	Product/Solid		SW-846 8082A	
GHFI-G 12in	11J0770-19	Product/Solid		SW-846 8082A	
GHFI-H 12in	11J0770-20	Product/Solid		SW-846 8082A	
GHFI-I 12in	11J0770-21	Product/Solid		SW-846 8082A	
GHFI-J 12in	11J0770-22	Product/Solid		SW-846 8082A	
GHFI-K 12in	11J0770-23	Product/Solid		SW-846 8082A	
GHWI-D 1 BLOCK	11J0770-24	Product/Solid		SW-846 8082A	
GHWI-E 1 BLOCK	11J0770-25	Product/Solid		SW-846 8082A	
GHWI-F 1 BLOCK	11J0770-26	Product/Solid		SW-846 8082A	
GHWI-G 1 BLOCK	11J0770-27	Product/Solid		SW-846 8082A	
GHWI-H 1 BLOCK	11J0770-28	Product/Solid		SW-846 8082A	
GHWI-I 1 BLOCK	11J0770-29	Product/Solid		SW-846 8082A	
GHWI-J 1 BLOCK	11J0770-30	Product/Solid		SW-846 8082A	
GHWI-K 1 BLOCK	11J0770-31	Product/Solid		SW-846 8082A	
BHDIC	11J0770-32	Product/Solid		SW-846 8082A	
BHDEC	11J0770-33	Product/Solid		SW-846 8082A	
BHWI-C 2 BLOCKS	11J0770-34	Product/Solid		SW-846 8082A	
BHWI-D 2 BLOCKS	11J0770-35	Product/Solid		SW-846 8082A	
BHWI-E 2 BLOCKS	11J0770-36	Product/Solid		SW-846 8082A	
BHWI-F 2 BLOCKS	11J0770-37	Product/Solid		SW-846 8082A	
BHWI-G 2 BLOCKS	11J0770-38	Product/Solid		SW-846 8082A	
BHWI-H 2 BLOCKS	11J0770-39	Product/Solid		SW-846 8082A	
BHWI-I 2 BLOCKS	11J0770-40	Product/Solid		SW-846 8082A	
BHWI-J 2 BLOCKS	11J0770-41	Product/Solid		SW-846 8082A	

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

ATC Associates - Woburn
600 W Cummings Park, Suite 5500
Woburn, MA 01801
ATTN: Michael Gitten

REPORT DATE: 11/22/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 060.29841.0002

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 11J0770

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

PROJECT LOCATION: Southbridge Pool

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
BHWI-K 2 BLOCKS	11J0770-42	Product/Solid		SW-846 8082A	
BHWI-L 2 BLOCKS	11J0770-43	Product/Solid		SW-846 8082A	
BHFI-C 18in	11J0770-44	Product/Solid		SW-846 8082A	
BHFI-D 18in	11J0770-45	Product/Solid		SW-846 8082A	
BHFI-E 18in	11J0770-46	Product/Solid		SW-846 8082A	
BHFI-F 18in	11J0770-47	Product/Solid		SW-846 8082A	
BHFI-G 18in	11J0770-48	Product/Solid		SW-846 8082A	
BHFI-H 18in	11J0770-49	Product/Solid		SW-846 8082A	
BHFI-I 18in	11J0770-50	Product/Solid		SW-846 8082A	
BHFI-J 18in	11J0770-51	Product/Solid		SW-846 8082A	
BHFI-K 18in	11J0770-52	Product/Solid		SW-846 8082A	
BHFI-L 18in	11J0770-53	Product/Solid		SW-846 8082A	

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.

Revised Report: 11/22/2011: Con-Test Analytical laboratory's enhanced florisil clean up procedure performed on samples 11J0770-04, -05, -06, and -11.

SW-846 8082A

Qualifications:

Sample received after recommended holding time was exceeded.

Analyte & Samples(s) Qualified:

11J0770-14[GHFI-A 12in], 11J0770-15[GHFI-B 12in]

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

Analyte & Samples(s) Qualified:

Aroclor-1016, Aroclor-1016 [2C], Aroclor-1260, Aroclor-1260 [2C]
B039743-MS1, B039743-MSD1

Con-Test Analytical laboratory's enhanced Florisil clean-up was performed on this sample.

Analyte & Samples(s) Qualified:

11J0770-04[PVS-A], 11J0770-05[PVS-B], 11J0770-06[PVS-C], 11J0770-11[PBS-E]

The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]
11J0770-06[PVS-C], 11J0770-37[BHWI-F 2 BLOCKS]

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

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: PDJC-A
Sampled: 10/18/2011 00:00

Sample ID: 11J0770-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 23:51	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 23:51	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 23:51	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 23:51	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 23:51	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 23:51	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 23:51	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 23:51	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 23:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	106	30-150		10/26/11 23:51
Decachlorobiphenyl [2]	97.1	30-150		10/26/11 23:51
Tetrachloro-m-xylene [1]	101	30-150		10/26/11 23:51
Tetrachloro-m-xylene [2]	100	30-150		10/26/11 23:51

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: PDJC-B | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:04	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:04	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:04	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:04	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:04	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:04	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:04	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:04	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	114	30-150		10/27/11 0:04
Decachlorobiphenyl [2]	107	30-150		10/27/11 0:04
Tetrachloro-m-xylene [1]	109	30-150		10/27/11 0:04
Tetrachloro-m-xylene [2]	108	30-150		10/27/11 0:04

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: PDJC-C
Sampled: 10/18/2011 00:00

Sample ID: 11J0770-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:17	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:17	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:17	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:17	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:17	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:17	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:17	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:17	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	115	30-150		10/27/11 0:17
Decachlorobiphenyl [2]	107	30-150		10/27/11 0:17
Tetrachloro-m-xylene [1]	109	30-150		10/27/11 0:17
Tetrachloro-m-xylene [2]	108	30-150		10/27/11 0:17

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: PVS-A | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-04

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:27	PJG
Aroclor-1221 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:27	PJG
Aroclor-1232 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:27	PJG
Aroclor-1242 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:27	PJG
Aroclor-1248 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:27	PJG
Aroclor-1254 [1]	3.3	0.99	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:27	PJG
Aroclor-1260 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:27	PJG
Aroclor-1262 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:27	PJG
Aroclor-1268 [1]	ND	0.99	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:27	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	83.6	30-150		11/18/11 11:27
Decachlorobiphenyl [2]	64.7	30-150		11/18/11 11:27
Tetrachloro-m-xylene [1]	81.3	30-150		11/18/11 11:27
Tetrachloro-m-xylene [2]	78.6	30-150		11/18/11 11:27

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: PVS-B | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-05

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:40	PJG
Aroclor-1221 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:40	PJG
Aroclor-1232 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:40	PJG
Aroclor-1242 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:40	PJG
Aroclor-1248 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:40	PJG
Aroclor-1254 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:40	PJG
Aroclor-1260 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:40	PJG
Aroclor-1262 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:40	PJG
Aroclor-1268 [1]	ND	0.86	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 11:40	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	133	30-150		11/18/11 11:40
Decachlorobiphenyl [2]	101	30-150		11/18/11 11:40
Tetrachloro-m-xylene [1]	83.7	30-150		11/18/11 11:40
Tetrachloro-m-xylene [2]	80.9	30-150		11/18/11 11:40

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: PVS-C | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-06

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.6	mg/Kg	25		SW-846 8082A	10/24/11	11/21/11 18:07	MJC
Aroclor-1221 [1]	ND	4.6	mg/Kg	25		SW-846 8082A	10/24/11	11/21/11 18:07	MJC
Aroclor-1232 [1]	ND	4.6	mg/Kg	25		SW-846 8082A	10/24/11	11/21/11 18:07	MJC
Aroclor-1242 [1]	ND	4.6	mg/Kg	25		SW-846 8082A	10/24/11	11/21/11 18:07	MJC
Aroclor-1248 [1]	78	4.6	mg/Kg	25		SW-846 8082A	10/24/11	11/21/11 18:07	MJC
Aroclor-1254 [1]	ND	4.6	mg/Kg	25		SW-846 8082A	10/24/11	11/21/11 18:07	MJC
Aroclor-1260 [1]	ND	4.6	mg/Kg	25		SW-846 8082A	10/24/11	11/21/11 18:07	MJC
Aroclor-1262 [1]	ND	4.6	mg/Kg	25		SW-846 8082A	10/24/11	11/21/11 18:07	MJC
Aroclor-1268 [1]	ND	4.6	mg/Kg	25		SW-846 8082A	10/24/11	11/21/11 18:07	MJC

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	11/21/11 18:07
Decachlorobiphenyl [2]	*	30-150	S-01	11/21/11 18:07
Tetrachloro-m-xylene [1]	*	30-150	S-01	11/21/11 18:07
Tetrachloro-m-xylene [2]	*	30-150	S-01	11/21/11 18:07

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: PVSC-A 6in | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-07

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:30	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:30	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:30	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:30	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:30	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:30	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:30	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:30	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:30	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	86.0	30-150		10/27/11 0:30
Decachlorobiphenyl [2]	82.9	30-150		10/27/11 0:30
Tetrachloro-m-xylene [1]	98.8	30-150		10/27/11 0:30
Tetrachloro-m-xylene [2]	96.5	30-150		10/27/11 0:30

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: PVSC-B 6in | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-08

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:42	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:42	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:42	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:42	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:42	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:42	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:42	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:42	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	93.1	30-150		10/27/11 0:42
Decachlorobiphenyl [2]	90.0	30-150		10/27/11 0:42
Tetrachloro-m-xylene [1]	108	30-150		10/27/11 0:42
Tetrachloro-m-xylene [2]	106	30-150		10/27/11 0:42

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: PVSC-C 6in | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-09

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:55	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:55	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:55	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:55	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:55	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:55	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:55	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:55	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 0:55	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	92.8	30-150		10/27/11 0:55
Decachlorobiphenyl [2]	87.5	30-150		10/27/11 0:55
Tetrachloro-m-xylene [1]	101	30-150		10/27/11 0:55
Tetrachloro-m-xylene [2]	98.8	30-150		10/27/11 0:55

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: PVSC-D 6in
Sampled: 10/18/2011 00:00

Sample ID: 11J0770-10

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:08	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:08	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:08	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:08	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:08	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:08	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:08	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:08	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	95.4	30-150		10/27/11 1:08
Decachlorobiphenyl [2]	90.8	30-150		10/27/11 1:08
Tetrachloro-m-xylene [1]	108	30-150		10/27/11 1:08
Tetrachloro-m-xylene [2]	106	30-150		10/27/11 1:08

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: PBS-E | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-11

Sample Matrix: Product/Solid

Sample Flags: O-27

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 12:06	PJG
Aroclor-1221 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 12:06	PJG
Aroclor-1232 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 12:06	PJG
Aroclor-1242 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 12:06	PJG
Aroclor-1248 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 12:06	PJG
Aroclor-1254 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 12:06	PJG
Aroclor-1260 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 12:06	PJG
Aroclor-1262 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 12:06	PJG
Aroclor-1268 [1]	ND	0.93	mg/Kg	5		SW-846 8082A	10/24/11	11/18/11 12:06	PJG

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	125	30-150		11/18/11 12:06
Decachlorobiphenyl [2]	96.8	30-150		11/18/11 12:06
Tetrachloro-m-xylene [1]	89.9	30-150		11/18/11 12:06
Tetrachloro-m-xylene [2]	89.6	30-150		11/18/11 12:06

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHDIC | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-12

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:21	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:21	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:21	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:21	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:21	JMB
Aroclor-1254 [1]	1.1	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:21	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:21	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:21	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:21	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	125	30-150		10/27/11 1:21
Decachlorobiphenyl [2]	123	30-150		10/27/11 1:21
Tetrachloro-m-xylene [1]	111	30-150		10/27/11 1:21
Tetrachloro-m-xylene [2]	109	30-150		10/27/11 1:21

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHDEC | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-13

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:34	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:34	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:34	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:34	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:34	JMB
Aroclor-1254 [2]	0.15	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:34	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:34	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:34	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 1:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	108	30-150		10/27/11 1:34
Decachlorobiphenyl [2]	103	30-150		10/27/11 1:34
Tetrachloro-m-xylene [1]	108	30-150		10/27/11 1:34
Tetrachloro-m-xylene [2]	106	30-150		10/27/11 1:34

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHFI-A 12in | Sampled: 9/6/2011 00:00

Sample ID: 11J0770-14

Sample Matrix: Product/Solid

Sample Flags: H-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 2:12	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 2:12	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 2:12	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 2:12	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 2:12	JMB
Aroclor-1254 [1]	1.1	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 2:12	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 2:12	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 2:12	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 2:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	122	30-150		10/27/11 2:12
Decachlorobiphenyl [2]	90.5	30-150		10/27/11 2:12
Tetrachloro-m-xylene [1]	91.3	30-150		10/27/11 2:12
Tetrachloro-m-xylene [2]	90.4	30-150		10/27/11 2:12

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHFI-B 12in | Sampled: 9/6/2011 00:00

Sample ID: 11J0770-15

Sample Matrix: Product/Solid

Sample Flags: H-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:13	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:13	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:13	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:13	JMB
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:13	JMB
Aroclor-1254 [1]	2.5	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:13	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:13	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:13	JMB
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:13	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	115	30-150		10/27/11 17:13
Decachlorobiphenyl [2]	115	30-150		10/27/11 17:13
Tetrachloro-m-xylene [1]	108	30-150		10/27/11 17:13
Tetrachloro-m-xylene [2]	115	30-150		10/27/11 17:13

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHFI-D 12in
Sampled: 10/18/2011 00:00

Sample ID: 11J0770-16

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:26	JMB
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:26	JMB
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:26	JMB
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:26	JMB
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:26	JMB
Aroclor-1254 [1]	2.8	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:26	JMB
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:26	JMB
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:26	JMB
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	103	30-150		10/27/11 17:26
Decachlorobiphenyl [2]	103	30-150		10/27/11 17:26
Tetrachloro-m-xylene [1]	97.6	30-150		10/27/11 17:26
Tetrachloro-m-xylene [2]	103	30-150		10/27/11 17:26

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHFI-E 12in | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-17

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:39	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:39	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:39	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:39	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:39	JMB
Aroclor-1254 [1]	2.2	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:39	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:39	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:39	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	113	30-150		10/27/11 17:39
Decachlorobiphenyl [2]	113	30-150		10/27/11 17:39
Tetrachloro-m-xylene [1]	105	30-150		10/27/11 17:39
Tetrachloro-m-xylene [2]	113	30-150		10/27/11 17:39

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHFI-F 12in
Sampled: 10/18/2011 00:00

Sample ID: 11J0770-18

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/28/11 15:57	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/28/11 15:57	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/28/11 15:57	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/28/11 15:57	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/28/11 15:57	JMB
Aroclor-1254 [1]	1.9	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/28/11 15:57	JMB
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/28/11 15:57	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/28/11 15:57	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/28/11 15:57	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	104	30-150		10/28/11 15:57
Decachlorobiphenyl [2]	95.9	30-150		10/28/11 15:57
Tetrachloro-m-xylene [1]	110	30-150		10/28/11 15:57
Tetrachloro-m-xylene [2]	109	30-150		10/28/11 15:57

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHFI-G 12in | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-19

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 17:52	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 17:52	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 17:52	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 17:52	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 17:52	JMB
Aroclor-1254 [1]	6.4	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 17:52	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 17:52	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 17:52	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 17:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	109	30-150		10/27/11 17:52
Decachlorobiphenyl [2]	108	30-150		10/27/11 17:52
Tetrachloro-m-xylene [1]	98.2	30-150		10/27/11 17:52
Tetrachloro-m-xylene [2]	108	30-150		10/27/11 17:52

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHFI-H 12in
Sampled: 10/18/2011 00:00

Sample ID: 11J0770-20

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:05	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:05	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:05	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:05	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:05	JMB
Aroclor-1254 [1]	6.3	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:05	JMB
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:05	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:05	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	111	30-150		10/27/11 18:05
Decachlorobiphenyl [2]	111	30-150		10/27/11 18:05
Tetrachloro-m-xylene [1]	104	30-150		10/27/11 18:05
Tetrachloro-m-xylene [2]	116	30-150		10/27/11 18:05

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHFI-I 12in
Sampled: 10/18/2011 00:00

Sample ID: 11J0770-21

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:00	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:00	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:00	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:00	JMB
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:00	JMB
Aroclor-1254 [1]	2.7	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:00	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:00	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:00	JMB
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/24/11	10/27/11 17:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	108	30-150		10/27/11 17:00
Decachlorobiphenyl [2]	110	30-150		10/27/11 17:00
Tetrachloro-m-xylene [1]	100	30-150		10/27/11 17:00
Tetrachloro-m-xylene [2]	109	30-150		10/27/11 17:00

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHFI-J 12in | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-22

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:17	JMB
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:17	JMB
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:17	JMB
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:17	JMB
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:17	JMB
Aroclor-1254 [1]	11	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:17	JMB
Aroclor-1260 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:17	JMB
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:17	JMB
Aroclor-1268 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		10/27/11 18:17
Decachlorobiphenyl [2]	106	30-150		10/27/11 18:17
Tetrachloro-m-xylene [1]	97.6	30-150		10/27/11 18:17
Tetrachloro-m-xylene [2]	108	30-150		10/27/11 18:17

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHFI-K 12in
Sampled: 10/18/2011 00:00

Sample ID: 11J0770-23

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 18:30	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 18:30	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 18:30	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 18:30	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 18:30	JMB
Aroclor-1254 [1]	0.72	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 18:30	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 18:30	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 18:30	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/27/11 18:30	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	106	30-150		10/27/11 18:30
Decachlorobiphenyl [2]	100	30-150		10/27/11 18:30
Tetrachloro-m-xylene [1]	103	30-150		10/27/11 18:30
Tetrachloro-m-xylene [2]	103	30-150		10/27/11 18:30

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHWI-D 1 BLOCK | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-24

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:43	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:43	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:43	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:43	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:43	JMB
Aroclor-1254 [1]	7.6	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:43	JMB
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:43	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:43	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/27/11 18:43	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	114	30-150		10/27/11 18:43
Decachlorobiphenyl [2]	115	30-150		10/27/11 18:43
Tetrachloro-m-xylene [1]	105	30-150		10/27/11 18:43
Tetrachloro-m-xylene [2]	116	30-150		10/27/11 18:43

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHWI-E 1 BLOCK | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-25

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:04	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:04	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:04	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:04	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:04	JMB
Aroclor-1254 [1]	8.2	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:04	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:04	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:04	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	113	30-150		10/26/11 13:04
Decachlorobiphenyl [2]	110	30-150		10/26/11 13:04
Tetrachloro-m-xylene [1]	102	30-150		10/26/11 13:04
Tetrachloro-m-xylene [2]	114	30-150		10/26/11 13:04

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHWI-F 1 BLOCK
Sampled: 10/18/2011 00:00

Sample ID: 11J0770-26

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:17	JMB
Aroclor-1221 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:17	JMB
Aroclor-1232 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:17	JMB
Aroclor-1242 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:17	JMB
Aroclor-1248 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:17	JMB
Aroclor-1254 [2]	2.7	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:17	JMB
Aroclor-1260 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:17	JMB
Aroclor-1262 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:17	JMB
Aroclor-1268 [1]	ND	0.45	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	122	30-150		10/26/11 13:17
Decachlorobiphenyl [2]	118	30-150		10/26/11 13:17
Tetrachloro-m-xylene [1]	115	30-150		10/26/11 13:17
Tetrachloro-m-xylene [2]	123	30-150		10/26/11 13:17

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHWI-G 1 BLOCK | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-27

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:30	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:30	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:30	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:30	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:30	JMB
Aroclor-1254 [1]	7.6	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:30	JMB
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:30	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:30	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:30	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	115	30-150		10/26/11 13:30
Decachlorobiphenyl [2]	112	30-150		10/26/11 13:30
Tetrachloro-m-xylene [1]	102	30-150		10/26/11 13:30
Tetrachloro-m-xylene [2]	112	30-150		10/26/11 13:30

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHWI-H 1 BLOCK | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-28

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:43	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:43	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:43	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:43	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:43	JMB
Aroclor-1254 [1]	2.6	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:43	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:43	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:43	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/24/11	10/26/11 13:43	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	115	30-150		10/26/11 13:43
Decachlorobiphenyl [2]	112	30-150		10/26/11 13:43
Tetrachloro-m-xylene [1]	108	30-150		10/26/11 13:43
Tetrachloro-m-xylene [2]	116	30-150		10/26/11 13:43

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHWI-I 1 BLOCK | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-29

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 0:58	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 0:58	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 0:58	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 0:58	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 0:58	JMB
Aroclor-1254 [2]	1.0	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 0:58	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 0:58	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 0:58	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 0:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	110	30-150		10/26/11 0:58
Decachlorobiphenyl [2]	103	30-150		10/26/11 0:58
Tetrachloro-m-xylene [1]	106	30-150		10/26/11 0:58
Tetrachloro-m-xylene [2]	105	30-150		10/26/11 0:58

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHWI-J 1 BLOCK | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-30

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:56	JMB
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:56	JMB
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:56	JMB
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:56	JMB
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:56	JMB
Aroclor-1254 [1]	9.8	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:56	JMB
Aroclor-1260 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:56	JMB
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:56	JMB
Aroclor-1268 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 13:56	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	111	30-150		10/26/11 13:56
Decachlorobiphenyl [2]	108	30-150		10/26/11 13:56
Tetrachloro-m-xylene [1]	98.8	30-150		10/26/11 13:56
Tetrachloro-m-xylene [2]	108	30-150		10/26/11 13:56

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: GHWI-K 1 BLOCK | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-31

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:09	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:09	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:09	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:09	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:09	JMB
Aroclor-1254 [1]	9.4	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:09	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:09	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:09	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	114	30-150		10/26/11 14:09
Decachlorobiphenyl [2]	111	30-150		10/26/11 14:09
Tetrachloro-m-xylene [1]	99.9	30-150		10/26/11 14:09
Tetrachloro-m-xylene [2]	110	30-150		10/26/11 14:09

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHDIC
Sampled: 10/18/2011 00:00

Sample ID: 11J0770-32

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:36	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:36	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:36	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:36	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:36	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:36	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:36	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:36	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	106	30-150		10/26/11 1:36
Decachlorobiphenyl [2]	99.1	30-150		10/26/11 1:36
Tetrachloro-m-xylene [1]	109	30-150		10/26/11 1:36
Tetrachloro-m-xylene [2]	108	30-150		10/26/11 1:36

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHDEC | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-33

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:49	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:49	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:49	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:49	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:49	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:49	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:49	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:49	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 1:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	110	30-150		10/26/11 1:49
Decachlorobiphenyl [2]	104	30-150		10/26/11 1:49
Tetrachloro-m-xylene [1]	107	30-150		10/26/11 1:49
Tetrachloro-m-xylene [2]	106	30-150		10/26/11 1:49

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHWI-C 2 BLOCKS
Sampled: 10/19/2011 00:00

Sample ID: 11J0770-34

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:22	JMB
Aroclor-1221 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:22	JMB
Aroclor-1232 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:22	JMB
Aroclor-1242 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:22	JMB
Aroclor-1248 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:22	JMB
Aroclor-1254 [1]	20	2.0	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:22	JMB
Aroclor-1260 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:22	JMB
Aroclor-1262 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:22	JMB
Aroclor-1268 [1]	ND	2.0	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:22	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	125	30-150		10/26/11 14:22
Decachlorobiphenyl [2]	123	30-150		10/26/11 14:22
Tetrachloro-m-xylene [1]	109	30-150		10/26/11 14:22
Tetrachloro-m-xylene [2]	123	30-150		10/26/11 14:22

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHWI-D 2 BLOCKS | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-35

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:35	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:35	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:35	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:35	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:35	JMB
Aroclor-1254 [1]	8.4	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:35	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:35	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:35	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 14:35	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	115	30-150		10/26/11 14:35
Decachlorobiphenyl [2]	112	30-150		10/26/11 14:35
Tetrachloro-m-xylene [1]	102	30-150		10/26/11 14:35
Tetrachloro-m-xylene [2]	111	30-150		10/26/11 14:35

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHWI-E 2 BLOCKS | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-36

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:48	JMB
Aroclor-1221 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:48	JMB
Aroclor-1232 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:48	JMB
Aroclor-1242 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:48	JMB
Aroclor-1248 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:48	JMB
Aroclor-1254 [1]	10	1.8	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:48	JMB
Aroclor-1260 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:48	JMB
Aroclor-1262 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:48	JMB
Aroclor-1268 [1]	ND	1.8	mg/Kg	20		SW-846 8082A	10/24/11	10/26/11 14:48	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	111	30-150		10/26/11 14:48
Decachlorobiphenyl [2]	109	30-150		10/26/11 14:48
Tetrachloro-m-xylene [1]	89.8	30-150		10/26/11 14:48
Tetrachloro-m-xylene [2]	104	30-150		10/26/11 14:48

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHWI-F 2 BLOCKS | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-37

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	10/24/11	10/26/11 15:01	JMB
Aroclor-1221 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	10/24/11	10/26/11 15:01	JMB
Aroclor-1232 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	10/24/11	10/26/11 15:01	JMB
Aroclor-1242 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	10/24/11	10/26/11 15:01	JMB
Aroclor-1248 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	10/24/11	10/26/11 15:01	JMB
Aroclor-1254 [1]	39	5.0	mg/Kg	50		SW-846 8082A	10/24/11	10/26/11 15:01	JMB
Aroclor-1260 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	10/24/11	10/26/11 15:01	JMB
Aroclor-1262 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	10/24/11	10/26/11 15:01	JMB
Aroclor-1268 [1]	ND	5.0	mg/Kg	50		SW-846 8082A	10/24/11	10/26/11 15:01	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	*	30-150	S-01	10/26/11 15:01
Decachlorobiphenyl [2]	*	30-150	S-01	10/26/11 15:01
Tetrachloro-m-xylene [1]	*	30-150	S-01	10/26/11 15:01
Tetrachloro-m-xylene [2]	*	30-150	S-01	10/26/11 15:01

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHWI-G 2 BLOCKS | Sampled: 10/18/2011 00:00

Sample ID: 11J0770-38

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:14	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:14	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:14	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:14	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:14	JMB
Aroclor-1254 [1]	10	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:14	JMB
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:14	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:14	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	109	30-150		10/26/11 15:14
Decachlorobiphenyl [2]	108	30-150		10/26/11 15:14
Tetrachloro-m-xylene [1]	96.1	30-150		10/26/11 15:14
Tetrachloro-m-xylene [2]	105	30-150		10/26/11 15:14

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHWI-H 2 BLOCKS
Sampled: 10/18/2011 00:00

Sample ID: 11J0770-39

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:27	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:27	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:27	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:27	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:27	JMB
Aroclor-1254 [1]	5.1	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:27	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:27	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:27	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	116	30-150		10/26/11 15:27
Decachlorobiphenyl [2]	114	30-150		10/26/11 15:27
Tetrachloro-m-xylene [1]	101	30-150		10/26/11 15:27
Tetrachloro-m-xylene [2]	110	30-150		10/26/11 15:27

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHWI-I 2 BLOCKS | Sampled: 10/19/2011 00:00

Sample ID: 11J0770-40

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:40	JMB
Aroclor-1221 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:40	JMB
Aroclor-1232 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:40	JMB
Aroclor-1242 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:40	JMB
Aroclor-1248 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:40	JMB
Aroclor-1254 [1]	4.9	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:40	JMB
Aroclor-1260 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:40	JMB
Aroclor-1262 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:40	JMB
Aroclor-1268 [1]	ND	0.91	mg/Kg	10		SW-846 8082A	10/24/11	10/26/11 15:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	115	30-150		10/26/11 15:40
Decachlorobiphenyl [2]	113	30-150		10/26/11 15:40
Tetrachloro-m-xylene [1]	102	30-150		10/26/11 15:40
Tetrachloro-m-xylene [2]	111	30-150		10/26/11 15:40

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHWI-J 2 BLOCKS
Sampled: 10/19/2011 00:00

Sample ID: 11J0770-41

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 3:58	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 3:58	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 3:58	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 3:58	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 3:58	JMB
Aroclor-1254 [1]	0.69	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 3:58	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 3:58	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 3:58	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/24/11	10/26/11 3:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	113	30-150		10/26/11 3:58
Decachlorobiphenyl [2]	106	30-150		10/26/11 3:58
Tetrachloro-m-xylene [1]	110	30-150		10/26/11 3:58
Tetrachloro-m-xylene [2]	109	30-150		10/26/11 3:58

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHWI-K 2 BLOCKS
Sampled: 10/19/2011 00:00

Sample ID: 11J0770-42

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 19:46	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 19:46	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 19:46	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 19:46	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 19:46	JMB
Aroclor-1254 [1]	1.1	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 19:46	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 19:46	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 19:46	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 19:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	121	30-150		10/26/11 19:46
Decachlorobiphenyl [2]	112	30-150		10/26/11 19:46
Tetrachloro-m-xylene [1]	117	30-150		10/26/11 19:46
Tetrachloro-m-xylene [2]	115	30-150		10/26/11 19:46

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHWI-L 2 BLOCKS | Sampled: 10/19/2011 00:00

Sample ID: 11J0770-43

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 13:58	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 13:58	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 13:58	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 13:58	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 13:58	JMB
Aroclor-1254 [1]	4.2	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 13:58	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 13:58	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 13:58	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 13:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	111	30-150		10/27/11 13:58
Decachlorobiphenyl [2]	110	30-150		10/27/11 13:58
Tetrachloro-m-xylene [1]	109	30-150		10/27/11 13:58
Tetrachloro-m-xylene [2]	117	30-150		10/27/11 13:58

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHFI-C 18in
Sampled: 10/19/2011 00:00

Sample ID: 11J0770-44

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 20:12	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 20:12	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 20:12	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 20:12	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 20:12	JMB
Aroclor-1254 [1]	1.1	0.095	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 20:12	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 20:12	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 20:12	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 20:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		10/26/11 20:12
Decachlorobiphenyl [2]	99.3	30-150		10/26/11 20:12
Tetrachloro-m-xylene [1]	105	30-150		10/26/11 20:12
Tetrachloro-m-xylene [2]	106	30-150		10/26/11 20:12

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHFI-D 18in
Sampled: 10/19/2011 00:00

Sample ID: 11J0770-45

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:11	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:11	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:11	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:11	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:11	JMB
Aroclor-1254 [1]	8.1	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:11	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:11	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:11	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:11	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	118	30-150		10/27/11 14:11
Decachlorobiphenyl [2]	116	30-150		10/27/11 14:11
Tetrachloro-m-xylene [1]	113	30-150		10/27/11 14:11
Tetrachloro-m-xylene [2]	124	30-150		10/27/11 14:11

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHFI-E 18in
Sampled: 10/19/2011 00:00

Sample ID: 11J0770-46

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:24	JMB
Aroclor-1221 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:24	JMB
Aroclor-1232 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:24	JMB
Aroclor-1242 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:24	JMB
Aroclor-1248 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:24	JMB
Aroclor-1254 [1]	7.0	1.0	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:24	JMB
Aroclor-1260 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:24	JMB
Aroclor-1262 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:24	JMB
Aroclor-1268 [1]	ND	1.0	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	116	30-150		10/27/11 14:24
Decachlorobiphenyl [2]	113	30-150		10/27/11 14:24
Tetrachloro-m-xylene [1]	109	30-150		10/27/11 14:24
Tetrachloro-m-xylene [2]	121	30-150		10/27/11 14:24

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHFI-F 18in
Sampled: 10/19/2011 00:00

Sample ID: 11J0770-47

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 14:37	JMB
Aroclor-1221 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 14:37	JMB
Aroclor-1232 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 14:37	JMB
Aroclor-1242 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 14:37	JMB
Aroclor-1248 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 14:37	JMB
Aroclor-1254 [1]	2.5	0.48	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 14:37	JMB
Aroclor-1260 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 14:37	JMB
Aroclor-1262 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 14:37	JMB
Aroclor-1268 [1]	ND	0.48	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 14:37	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	110	30-150		10/27/11 14:37
Decachlorobiphenyl [2]	108	30-150		10/27/11 14:37
Tetrachloro-m-xylene [1]	108	30-150		10/27/11 14:37
Tetrachloro-m-xylene [2]	115	30-150		10/27/11 14:37

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHFI-G 18in | Sampled: 10/19/2011 00:00

Sample ID: 11J0770-48

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:03	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:03	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:03	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:03	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:03	JMB
Aroclor-1254 [1]	1.3	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:03	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:03	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:03	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	143	30-150		10/26/11 21:03
Decachlorobiphenyl [2]	132	30-150		10/26/11 21:03
Tetrachloro-m-xylene [1]	137	30-150		10/26/11 21:03
Tetrachloro-m-xylene [2]	134	30-150		10/26/11 21:03

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

Project Location: Southbridge Pool
Sample Description:
Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHFI-H 18in
Sampled: 10/19/2011 00:00

Sample ID: 11J0770-49

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:50	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:50	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:50	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:50	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:50	JMB
Aroclor-1254 [1]	7.3	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:50	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:50	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:50	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 14:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	114	30-150		10/27/11 14:50
Decachlorobiphenyl [2]	115	30-150		10/27/11 14:50
Tetrachloro-m-xylene [1]	105	30-150		10/27/11 14:50
Tetrachloro-m-xylene [2]	115	30-150		10/27/11 14:50

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHFI-I 18in | Sampled: 10/19/2011 00:00

Sample ID: 11J0770-50

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 15:03	JMB
Aroclor-1221 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 15:03	JMB
Aroclor-1232 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 15:03	JMB
Aroclor-1242 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 15:03	JMB
Aroclor-1248 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 15:03	JMB
Aroclor-1254 [1]	8.3	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 15:03	JMB
Aroclor-1260 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 15:03	JMB
Aroclor-1262 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 15:03	JMB
Aroclor-1268 [1]	ND	0.95	mg/Kg	10		SW-846 8082A	10/25/11	10/27/11 15:03	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	107	30-150		10/27/11 15:03
Decachlorobiphenyl [2]	108	30-150		10/27/11 15:03
Tetrachloro-m-xylene [1]	105	30-150		10/27/11 15:03
Tetrachloro-m-xylene [2]	116	30-150		10/27/11 15:03

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHFI-J 18in | Sampled: 10/19/2011 00:00

Sample ID: 11J0770-51

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/27/11 15:16	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/27/11 15:16	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/27/11 15:16	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/27/11 15:16	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/27/11 15:16	JMB
Aroclor-1254 [1]	0.45	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/27/11 15:16	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/27/11 15:16	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/27/11 15:16	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/27/11 15:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	105	30-150		10/27/11 15:16
Decachlorobiphenyl [2]	101	30-150		10/27/11 15:16
Tetrachloro-m-xylene [1]	107	30-150		10/27/11 15:16
Tetrachloro-m-xylene [2]	106	30-150		10/27/11 15:16

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHFI-K 18in | Sampled: 10/19/2011 00:00

Sample ID: 11J0770-52

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:55	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:55	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:55	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:55	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:55	JMB
Aroclor-1254 [1]	1.3	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:55	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:55	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:55	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	10/25/11	10/26/11 21:55	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	106	30-150		10/26/11 21:55
Decachlorobiphenyl [2]	99.4	30-150		10/26/11 21:55
Tetrachloro-m-xylene [1]	102	30-150		10/26/11 21:55
Tetrachloro-m-xylene [2]	101	30-150		10/26/11 21:55

con-test® ANALYTICAL LABORATORY

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

Project Location: Southbridge Pool | Sample Description: | Work Order: 11J0770

Date Received: 10/20/2011

Field Sample #: BHFI-L 18in | Sampled: 10/19/2011 00:00

Sample ID: 11J0770-53

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 15:29	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 15:29	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 15:29	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 15:29	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 15:29	JMB
Aroclor-1254 [1]	3.7	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 15:29	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 15:29	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 15:29	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	10/25/11	10/27/11 15:29	JMB

Surrogates	% Recovery	Recovery Limits	Flag	
Decachlorobiphenyl [1]	109	30-150		10/27/11 15:29
Decachlorobiphenyl [2]	109	30-150		10/27/11 15:29
Tetrachloro-m-xylene [1]	107	30-150		10/27/11 15:29
Tetrachloro-m-xylene [2]	115	30-150		10/27/11 15:29

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 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11J0770-04 [PVS-A]	B039746	0.504	10.0	10/24/11
11J0770-05 [PVS-B]	B039746	0.583	10.0	10/24/11
11J0770-06 [PVS-C]	B039746	0.542	10.0	10/24/11
11J0770-11 [PBS-E]	B039746	0.540	10.0	10/24/11

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11J0770-01 [PDJC-A]	B039742	2.10	10.0	10/24/11
11J0770-02 [PDJC-B]	B039742	2.20	10.0	10/24/11
11J0770-03 [PDJC-C]	B039742	2.00	10.0	10/24/11
11J0770-07 [PVSC-A 6in]	B039742	2.00	10.0	10/24/11
11J0770-08 [PVSC-B 6in]	B039742	2.00	10.0	10/24/11
11J0770-09 [PVSC-C 6in]	B039742	2.10	10.0	10/24/11
11J0770-10 [PVSC-D 6in]	B039742	2.20	10.0	10/24/11
11J0770-12 [GHDIC]	B039742	2.20	10.0	10/24/11
11J0770-13 [GHDEC]	B039742	2.00	10.0	10/24/11
11J0770-14 [GHFI-A 12in]	B039742	2.00	10.0	10/24/11
11J0770-15 [GHFI-B 12in]	B039742	2.10	10.0	10/24/11
11J0770-16 [GHFI-D 12in]	B039742	2.20	10.0	10/24/11
11J0770-17 [GHFI-E 12in]	B039742	2.00	10.0	10/24/11
11J0770-18 [GHFI-F 12in]	B039742	2.00	10.0	10/24/11
11J0770-19 [GHFI-G 12in]	B039742	2.10	10.0	10/24/11
11J0770-20 [GHFI-H 12in]	B039742	2.00	10.0	10/24/11
11J0770-21 [GHFI-I 12in]	B039742	2.10	10.0	10/24/11
11J0770-22 [GHFI-J 12in]	B039742	2.20	10.0	10/24/11
11J0770-23 [GHFI-K 12in]	B039742	2.00	10.0	10/24/11
11J0770-24 [GHWI-D 1 BLOCK]	B039742	2.00	10.0	10/24/11

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11J0770-25 [GHWI-E 1 BLOCK]	B039743	2.10	10.0	10/24/11
11J0770-26 [GHWI-F 1 BLOCK]	B039743	2.20	10.0	10/24/11
11J0770-27 [GHWI-G 1 BLOCK]	B039743	2.00	10.0	10/24/11
11J0770-28 [GHWI-H 1 BLOCK]	B039743	2.00	10.0	10/24/11
11J0770-29 [GHWI-I 1 BLOCK]	B039743	2.10	10.0	10/24/11
11J0770-30 [GHWI-J 1 BLOCK]	B039743	2.20	10.0	10/24/11
11J0770-31 [GHWI-K 1 BLOCK]	B039743	2.10	10.0	10/24/11
11J0770-32 [BHDIC]	B039743	2.20	10.0	10/24/11
11J0770-33 [BHDEC]	B039743	2.00	10.0	10/24/11
11J0770-34 [BHWI-C 2 BLOCKS]	B039743	2.00	10.0	10/24/11
11J0770-35 [BHWI-D 2 BLOCKS]	B039743	2.10	10.0	10/24/11
11J0770-36 [BHWI-E 2 BLOCKS]	B039743	2.20	10.0	10/24/11
11J0770-37 [BHWI-F 2 BLOCKS]	B039743	2.00	10.0	10/24/11
11J0770-38 [BHWI-G 2 BLOCKS]	B039743	2.00	10.0	10/24/11
11J0770-39 [BHWI-H 2 BLOCKS]	B039743	2.10	10.0	10/24/11
11J0770-40 [BHWI-I 2 BLOCKS]	B039743	2.20	10.0	10/24/11
11J0770-41 [BHWI-J 2 BLOCKS]	B039743	2.10	10.0	10/24/11

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 8082A

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
11J0770-42 [BHWI-K 2 BLOCKS]	B039869	2.00	10.0	10/25/11
11J0770-43 [BHWI-L 2 BLOCKS]	B039869	2.00	10.0	10/25/11
11J0770-44 [BHFI-C 18in]	B039869	2.10	10.0	10/25/11
11J0770-45 [BHFI-D 18in]	B039869	2.10	10.0	10/25/11
11J0770-46 [BHFI-E 18in]	B039869	2.00	10.0	10/25/11
11J0770-47 [BHFI-F 18in]	B039869	2.10	10.0	10/25/11
11J0770-48 [BHFI-G 18in]	B039869	2.00	10.0	10/25/11
11J0770-49 [BHFI-H 18in]	B039869	2.10	10.0	10/25/11
11J0770-50 [BHFI-I 18in]	B039869	2.10	10.0	10/25/11
11J0770-51 [BHFI-J 18in]	B039869	2.00	10.0	10/25/11
11J0770-52 [BHFI-K 18in]	B039869	2.00	10.0	10/25/11
11J0770-53 [BHFI-L 18in]	B039869	2.00	10.0	10/25/11

con-test® ANALYTICAL LABORATORY

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B039742 - SW-846 3540C										
Blank (B039742-BLK1)				Prepared: 10/24/11 Analyzed: 10/27/11						
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	*1.29*		mg/Kg	1.00		129	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.25*		mg/Kg	1.00		125	30-150			
Surrogate: Tetrachloro-m-xylene	*1.16*		mg/Kg	1.00		116	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.18*		mg/Kg	1.00		118	30-150			
LCS (B039742-BS1)				Prepared: 10/24/11 Analyzed: 10/27/11						
Aroclor-1016	0.25	0.10	mg/Kg	0.250		99.6	40-140			
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		115	40-140			
Aroclor-1260	0.29	0.10	mg/Kg	0.250		115	40-140			
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250		98.7	40-140			
Surrogate: Decachlorobiphenyl	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	*1.03*		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.05*		mg/Kg	1.00		105	30-150			
LCS Dup (B039742-BSD1)				Prepared: 10/24/11 Analyzed: 10/27/11						
Aroclor-1016	0.26	0.10	mg/Kg	0.250		104	40-140	4.33	30	
Aroclor-1016 [2C]	0.31	0.10	mg/Kg	0.250		123	40-140	7.00	30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250		111	40-140	3.93	30	
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250		94.9	40-140	3.94	30	
Surrogate: Decachlorobiphenyl	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.05*		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*0.998*		mg/Kg	1.00		99.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.02*		mg/Kg	1.00		102	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 with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B039742 - SW-846 3540C										
Matrix Spike (B039742-MS1)		**Source: 11J0770-01**		Prepared: 10/24/11 Analyzed: 10/27/11						
Aroclor-1016	0.22	0.10	mg/Kg	0.250	0.0	88.9	40-140			
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250	0.0	97.4	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250	0.0	110	40-140			
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250	0.0	107	40-140			
Surrogate: Decachlorobiphenyl	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	*1.10*		mg/Kg	1.00		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.10*		mg/Kg	1.00		110	30-150			
Matrix Spike Dup (B039742-MSD1)		**Source: 11J0770-01**		Prepared: 10/24/11 Analyzed: 10/27/11						
Aroclor-1016	0.26	0.10	mg/Kg	0.250	0.0	105	40-140	17.0	50	
Aroclor-1016 [2C]	0.28	0.10	mg/Kg	0.250	0.0	112	40-140	13.7	50	
Aroclor-1260	0.27	0.10	mg/Kg	0.250	0.0	107	40-140	2.80	50	
Aroclor-1260 [2C]	0.25	0.10	mg/Kg	0.250	0.0	99.3	40-140	7.18	50	
Surrogate: Decachlorobiphenyl	*0.959*		mg/Kg	1.00		95.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.948*		mg/Kg	1.00		94.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.02*		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.02*		mg/Kg	1.00		102	30-150			
Batch B039743 - SW-846 3540C										
Blank (B039743-BLK1)				Prepared: 10/24/11 Analyzed: 10/25/11						
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	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.01*		mg/Kg	1.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.967*		mg/Kg	1.00		96.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.957*		mg/Kg	1.00		95.7	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 with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B039743 - SW-846 3540C												
LCS (B039743-BS1)				Prepared: 10/24/11 Analyzed: 10/25/11								
Aroclor-1016	0.27	0.10	mg/Kg	0.250		107		40-140				
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		116		40-140				
Aroclor-1260	0.28	0.10	mg/Kg	0.250		112		40-140				
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		107		40-140				
Surrogate: Decachlorobiphenyl	*1.11*		mg/Kg	1.00		111		30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.05*		mg/Kg	1.00		105		30-150				
Surrogate: Tetrachloro-m-xylene	*1.04*		mg/Kg	1.00		104		30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.04*		mg/Kg	1.00		104		30-150				
LCS Dup (B039743-BSD1)				Prepared: 10/24/11 Analyzed: 10/25/11								
Aroclor-1016	0.26	0.10	mg/Kg	0.250		104		40-140	2.91		30	
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		114		40-140	1.38		30	
Aroclor-1260	0.28	0.10	mg/Kg	0.250		112		40-140	0.0268		30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		106		40-140	0.431		30	
Surrogate: Decachlorobiphenyl	*1.11*		mg/Kg	1.00		111		30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.05*		mg/Kg	1.00		105		30-150				
Surrogate: Tetrachloro-m-xylene	*1.01*		mg/Kg	1.00		101		30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.01*		mg/Kg	1.00		101		30-150				
Matrix Spike (B039743-MS1)		**Source: 11J0770-25**		Prepared: 10/24/11 Analyzed: 10/26/11								
Aroclor-1016	7.7	0.10	mg/Kg	0.250	0.0	**3100**	*	40-140				MS-21
Aroclor-1016 [2C]	8.6	0.10	mg/Kg	0.250	0.0	**3450**	*	40-140				MS-21
Aroclor-1260	2.5	0.10	mg/Kg	0.250	0.0	**992**	*	40-140				MS-21
Aroclor-1260 [2C]	1.8	0.10	mg/Kg	0.250	0.0	**729**	*	40-140				MS-21
Surrogate: Decachlorobiphenyl	*1.08*		mg/Kg	1.00		108		30-150				
Surrogate: Decachlorobiphenyl [2C]	*1.03*		mg/Kg	1.00		103		30-150				
Surrogate: Tetrachloro-m-xylene	*1.07*		mg/Kg	1.00		107		30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.07*		mg/Kg	1.00		107		30-150				
Matrix Spike Dup (B039743-MSD1)		**Source: 11J0770-25**		Prepared: 10/24/11 Analyzed: 10/26/11								
Aroclor-1016	3.5	0.10	mg/Kg	0.250	0.0	**1420**	*	40-140	**74.2**	*	50	MS-21
Aroclor-1016 [2C]	3.5	0.10	mg/Kg	0.250	0.0	**1410**	*	40-140	**83.8**	*	50	MS-21
Aroclor-1260	1.1	0.10	mg/Kg	0.250	0.0	**439**	*	40-140	**77.3**	*	50	MS-21
Aroclor-1260 [2C]	0.76	0.10	mg/Kg	0.250	0.0	**305**	*	40-140	**82.1**	*	50	MS-21
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	*1.06*		mg/Kg	1.00		106		30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*1.06*		mg/Kg	1.00		106		30-150				
Batch B039746 - SW-846 3540C												
Blank (B039746-BLK1)				Prepared: 10/24/11 Analyzed: 10/27/11								
Aroclor-1016	ND	0.050	mg/Kg									
Aroclor-1016 [2C]	ND	0.050	mg/Kg									
Aroclor-1221	ND	0.050	mg/Kg									
Aroclor-1221 [2C]	ND	0.050	mg/Kg									
Aroclor-1232	ND	0.050	mg/Kg									
Aroclor-1232 [2C]	ND	0.050	mg/Kg									
Aroclor-1242	ND	0.050	mg/Kg									
Aroclor-1242 [2C]	ND	0.050	mg/Kg									
Aroclor-1248	ND	0.050	mg/Kg									
Aroclor-1248 [2C]	ND	0.050	mg/Kg									
Aroclor-1254	ND	0.050	mg/Kg									

con-test® ANALYTICAL LABORATORY

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B039746 - SW-846 3540C										
Blank (B039746-BLK1)				Prepared: 10/24/11 Analyzed: 10/27/11						
Aroclor-1254 [2C]	ND	0.050	mg/Kg							
Aroclor-1260	ND	0.050	mg/Kg							
Aroclor-1260 [2C]	ND	0.050	mg/Kg							
Aroclor-1262	ND	0.050	mg/Kg							
Aroclor-1262 [2C]	ND	0.050	mg/Kg							
Aroclor-1268	ND	0.050	mg/Kg							
Aroclor-1268 [2C]	ND	0.050	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.642*		mg/Kg	1.00		64.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.609*		mg/Kg	1.00		60.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.868*		mg/Kg	1.00		86.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.837*		mg/Kg	1.00		83.7	30-150			
LCS (B039746-BS1)				Prepared: 10/24/11 Analyzed: 10/27/11						
Aroclor-1016	0.86	0.050	mg/Kg	1.00		86.2	40-140			
Aroclor-1016 [2C]	0.82	0.050	mg/Kg	1.00		81.7	40-140			
Aroclor-1260	0.85	0.050	mg/Kg	1.00		84.7	40-140			
Aroclor-1260 [2C]	0.81	0.050	mg/Kg	1.00		81.4	40-140			
Surrogate: Decachlorobiphenyl	*0.980*		mg/Kg	1.00		98.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.900*		mg/Kg	1.00		90.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.878*		mg/Kg	1.00		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.813*		mg/Kg	1.00		81.3	30-150			
LCS Dup (B039746-BSD1)				Prepared: 10/24/11 Analyzed: 10/27/11						
Aroclor-1016	0.82	0.050	mg/Kg	1.00		81.6	40-140	5.47	30	
Aroclor-1016 [2C]	0.77	0.050	mg/Kg	1.00		77.0	40-140	5.93	30	
Aroclor-1260	0.81	0.050	mg/Kg	1.00		80.7	40-140	4.82	30	
Aroclor-1260 [2C]	0.77	0.050	mg/Kg	1.00		77.3	40-140	5.22	30	
Surrogate: Decachlorobiphenyl	*0.943*		mg/Kg	1.00		94.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.857*		mg/Kg	1.00		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.821*		mg/Kg	1.00		82.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.755*		mg/Kg	1.00		75.5	30-150			
Batch B039869 - SW-846 3540C										
Blank (B039869-BLK1)				Prepared: 10/25/11 Analyzed: 10/26/11						
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							

con-test® ANALYTICAL LABORATORY

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B039869 - SW-846 3540C										
Blank (B039869-BLK1)				Prepared: 10/25/11 Analyzed: 10/26/11						
Surrogate: Decachlorobiphenyl	*1.19*		mg/Kg	1.00		119	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.11*		mg/Kg	1.00		111	30-150			
Surrogate: Tetrachloro-m-xylene	*1.14*		mg/Kg	1.00		114	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.13*		mg/Kg	1.00		113	30-150			
LCS (B039869-BS1)				Prepared: 10/25/11 Analyzed: 10/26/11						
Aroclor-1016	0.26	0.10	mg/Kg	0.250		102	40-140			
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		97.2	40-140			
Aroclor-1260	0.28	0.10	mg/Kg	0.250		110	40-140			
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		109	40-140			
Surrogate: Decachlorobiphenyl	*1.15*		mg/Kg	1.00		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	*1.08*		mg/Kg	1.00		108	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.09*		mg/Kg	1.00		109	30-150			
LCS Dup (B039869-BSD1)				Prepared: 10/25/11 Analyzed: 10/26/11						
Aroclor-1016	0.25	0.10	mg/Kg	0.250		101	40-140	1.65	30	
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		96.6	40-140	0.667	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		105	40-140	5.26	30	
Aroclor-1260 [2C]	0.24	0.10	mg/Kg	0.250		94.0	40-140	15.0	30	
Surrogate: Decachlorobiphenyl	*1.19*		mg/Kg	1.00		119	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.12*		mg/Kg	1.00		112	30-150			
Surrogate: Tetrachloro-m-xylene	*1.11*		mg/Kg	1.00		111	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.12*		mg/Kg	1.00		112	30-150			
Matrix Spike (B039869-MS1)	**Source: 11J0770-48**			Prepared: 10/25/11 Analyzed: 10/26/11						
Aroclor-1016	0.82	0.10	mg/Kg	1.00	0.0	82.3	40-140			
Aroclor-1016 [2C]	0.66	0.10	mg/Kg	1.00	0.0	66.2	40-140			
Aroclor-1260	0.61	0.10	mg/Kg	1.00	0.0	61.4	40-140			
Aroclor-1260 [2C]	0.54	0.10	mg/Kg	1.00	0.0	54.4	40-140			
Surrogate: Decachlorobiphenyl	*1.03*		mg/Kg	1.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.987*		mg/Kg	1.00		98.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.980*		mg/Kg	1.00		98.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.989*		mg/Kg	1.00		98.9	30-150			
Matrix Spike Dup (B039869-MSD1)	**Source: 11J0770-48**			Prepared: 10/25/11 Analyzed: 10/26/11						
Aroclor-1016	1.1	0.10	mg/Kg	1.00	0.0	115	40-140	33.0	50	
Aroclor-1016 [2C]	0.96	0.10	mg/Kg	1.00	0.0	96.3	40-140	37.1	50	
Aroclor-1260	0.77	0.10	mg/Kg	1.00	0.0	77.3	40-140	22.8	50	
Aroclor-1260 [2C]	0.60	0.10	mg/Kg	1.00	0.0	60.2	40-140	10.1	50	
Surrogate: Decachlorobiphenyl	*1.11*		mg/Kg	1.00		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	*1.09*		mg/Kg	1.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.09*		mg/Kg	1.00		109	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-03	Sample received after recommended holding time was exceeded.
MS-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
O-27	Con-Test Analytical laboratory's enhanced Florisil clean-up was performed on this sample.
S-01	The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences.

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 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC
Aroclor-1016 [2C]	CT,NH,NY,ME,NC
Aroclor-1221	CT,NH,NY,ME,NC
Aroclor-1221 [2C]	CT,NH,NY,ME,NC
Aroclor-1232	CT,NH,NY,ME,NC
Aroclor-1232 [2C]	CT,NH,NY,ME,NC
Aroclor-1242	CT,NH,NY,ME,NC
Aroclor-1242 [2C]	CT,NH,NY,ME,NC
Aroclor-1248	CT,NH,NY,ME,NC
Aroclor-1248 [2C]	CT,NH,NY,ME,NC
Aroclor-1254	CT,NH,NY,ME,NC
Aroclor-1254 [2C]	CT,NH,NY,ME,NC
Aroclor-1260	CT,NH,NY,ME,NC
Aroclor-1260 [2C]	CT,NH,NY,ME,NC

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	01/1/2012
MA	Massachusetts DEP	M-MA100	06/30/2012
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2013
NY	New York State Department of Health	10899 NELAP	04/1/2012
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2012
RI	Rhode Island Department of Health	LAO00112	12/30/2011
NC	North Carolina Div. of Water Quality	652	12/31/2011
NJ	New Jersey DEP	MA007 NELAP	06/30/2012
FL	Florida Department of Health	E871027 NELAP	06/30/2012
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2012
WA	State of Washington Department of Ecology	C2065	02/23/2012
ME	State of Maine	2011028	06/9/2013

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

1150770

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli / Ian MacColl

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhalet Ext.)										
01	PDJC-A	10/18/11	10/18/11		x	S	U	✓										
02	PDJC-B	10/18/11	10/18/11		x	S	U	✓										
03	PDJC-C	10/18/11	10/18/11		x	S	U	✓										
04	PVS-A	10/18/11	10/18/11		x	S	U	✓										
05	PVS-B	10/18/11	10/18/11		x	S	U	✓										
06	PVS-C	10/18/11	10/18/11		x	S	U	✓										
07	PVSC-A 6"	10/18/11	10/18/11		x	S	U	✓										
08	PVSC-B 6"	10/18/11	10/18/11		x	S	U	✓										
09	PVSC-C 6"	10/18/11	10/18/11		x	S	U	✓										
10	PVSC-D 6"	10/18/11	10/18/11		x	S	U	✓										

ANALYSIS REQUESTED

1	# of Containers
None	** Preservation
Other	***Container Code

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) [signature]	Date/Time: 1700 10-20-11
Received by: (signature) [signature]	Date/Time: 1700 10-20-11
Relinquished by: (signature) [signature]	Date/Time: 2040 10-20-11
Received by: (signature) C. Clough-Degall 5.6°C 10/20/11	Date/Time: 20:40

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5 day

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† 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.

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

39 Spruce Street
East longmeadow, MA 01028

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli / Ian MacColl

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhalet Ext.)
11	PBS-E	10/18/11	10/18/11		x	S	U	✓
12	GHDIC	10/18/11	10/18/11		x	S	U	✓
13	GHDEC	10/18/11	10/18/11		x	S	U	✓
⊛ 14	GHFI-A 12"	9/6/11	9/6/11		x	S	U	✓
15	GHFI-B 12"	9/6/11	9/6/11		x	S	U	✓
16	GHFI-D 12"	10/18/11	10/18/11		x	S	U	✓
17	GHFI-E 12"	10/18/11	10/18/11		x	S	U	✓
18	GHFI-F 12"	10/18/11	10/18/11		x	S	U	✓
19	GHFI-G 12"	10/18/11	10/18/11		x	S	U	✓

ANALYSIS REQUESTED

1	# of Containers
None	** Preservation
Other	***Container Code

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: ⊛ date sampled confirmed. MK 10/21/11

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:
[signature]	10-20-11 1700
Received by: (signature) [signature]	Date/Time: 10-20-11 1700
Relinquished by: (signature) [signature]	Date/Time: 10-20-11 2040
Received by: (signature) C. Clough-Lessell 5.6°C 10/20/11	Date/Time: 20:40

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5 day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† 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.

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

39 Spruce Street
East longmeadow, MA 01028

Company Name: ATC Associates
Telephone: 781-932-9400
Address: 600 West Cummings Park
Woburn, MA
Project # 060.29841.0002
Client PO#
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli Ian MacColl

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhalet Ext.)											# of Containers	** Preservation	***Container Code
								1												None	Other
20	GHFI-H 12"	10/18/11	10/18/11		x	s	U	✓													
21	GHFI-I 12"	10/18/11	10/18/11		x	s	U	✓													
22	GHFI-J 12"	10/18/11	10/18/11		x	s	U	✓													
23	GHFI-K 12"	10/18/11	10/18/11		x	s	U	✓													
24	GHWI-D 1 Block	10/18/11	10/18/11		x	s	U	✓													
25	GHWI-E 1 Block	10/18/11	10/18/11		x	s	U	✓													
26	GHWI-F 1 Block	10/18/11	10/18/11		x	s	U	✓													
27	GHWI-G 1 Block	10/18/11	10/18/11		x	s	U	✓													
28	GHWI-H 1 Block	10/18/11	10/18/11		x	s	U	✓													
29	GHWI-I 1 Block	10/18/11	10/18/11		x	s	U	✓													

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: 10-20-11 1900	
Received by: (signature)	Date/Time: 10-20-11 1900	
Relinquished by: (signature)	Date/Time: 10-20-11 2000	
Received by: (signature) C. Coduto Morrall	Date/Time: 10/20/11 20:40	

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5 day

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† 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.

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

39 Spruce Street
East longmeadow, MA 01028

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli Ian MacColl

Project Proposal Provided? (for billing purposes)
○ yes _____ proposal date

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@atcassociates.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

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 (Soxhalet Ext.)										
30	GHWI-J 1 Block	10/18/11	10/18/11		x	S	U	✓										
31	GHWI-K 1 Block	10/18/11	10/18/11		x	S	U	✓										
32	BHDIC	10/18/11	10/18/11		x	S	U	✓										
33	BHDEC	10/18/11	10/18/11		x	S	U	✓										
34	BHWI-C 2 Blocks	10/19/11	10/19/11		x	S	U	✓										
35	BHWI-D 2 Blocks	10/18/11	10/18/11		x	S	U	✓										
36	BHWI-E 2 Blocks	10/18/11	10/18/11		x	S	U	✓										
37	BHWI-F 2 Blocks	10/18/11	10/18/11		x	S	U	✓										
38	BHWI-G 2 Blocks	10/18/11	10/18/11		x	S	U	✓										
39	BHWI-H 2 Blocks	10/18/11	10/18/11		x	S	U	✓										

ANALYSIS REQUESTED

# of Containers
** Preservation
***Container Code

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: 10-20-11	1700
Received by: (signature)	Date/Time: 10-20-11	1700
Relinquished by: (signature)	Date/Time: 10-20-11	2040
Received by: (signature) C. Claudio Segall	Date/Time: 10/20/11	5:62 20:40

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5 day

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† 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.

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

39 Spruce Street
East longmeadow, MA 01028

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli Ian MacGill

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhalet Ext.)											# of Containers
								1											** Preservation
								None											***Container Code
								Other											
40	BHWI-I 2 Blocks	10/19/11	10/19/11		x	S	U	✓											
41	BHWI-J 2 Blocks	10/19/11	10/19/11		x	S	U	✓											
42	BHWI-K 2 Blocks	10/19/11	10/19/11		x	S	U	✓											
43	BHWI-L 2 Blocks	10/19/11	10/19/11		x	S	U	✓											
44	BHFI-C 18"	10/19/11	10/19/11		x	S	U	✓											
45	BHFI-D 18"	10/19/11	10/19/11		x	S	U	✓											
46	BHFI-E 18"	10/19/11	10/19/11		x	S	U	✓											
47	BHFI-F 18"	10/19/11	10/19/11		x	S	U	✓											
48	BHFI-G 18"	10/19/11	10/19/11		x	S	U	✓											
49	BHFI-H 18"	10/19/11	10/19/11		x	S	U	✓											

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: 1900 10-20-11	
Received by: (signature)	Date/Time: 1900 10-20-11	
Relinquished by: (signature)	Date/Time: 20:40 10-20-11	
Received by: (signature) C. Cerrah-Desall 10/20/11	Date/Time: 5.68 20:40	

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5 day
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

†† 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.

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

39 Spruce Street
East longmeadow, MA 01028

Company Name: ATC Associates
Address: 600 West Cummings Park
Woburn, MA
Attention: Mike Gitten
Project Location: Southbridge Pool
Sampled By: Chris Amorelli Ian MacColl

Telephone: 781-932-9400
Project # 060.29841.0002
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ◉ WEBSITE
Fax # 781-932-6211
Email: michael.gitten@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 (Soxhalet Ext.)
50	BHFI-I 18"	10/19/11	10/19/11		x	S	U	✓
51	BHFI-J 18"	10/19/11	10/19/11		x	S	U	✓
52	BHFI-K 18"	10/19/11	10/19/11		x	S	U	✓
53	BHFI-L 18"	10/19/11	10/19/11		x	S	U	✓

ANALYSIS REQUESTED

1 | None | Other

# of Containers
** Preservation
***Container Code

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:
[signature]	1700 10-20-11
Received by: (signature) [signature]	Date/Time: 1700 10-20-11
Relinquished by: (signature) [signature]	Date/Time: 2040 10-20-11
Received by: (signature) C. Cornish-Segall 5.6°C 10/20/11	Date/Time: 20:40

Turnaround ††
☐ 7-Day
☐ 10-Day
☒ Other 5 day

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other: 1 ppm or lower

Is your project MCP or RCP ?
○ MCP Form Required
○ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

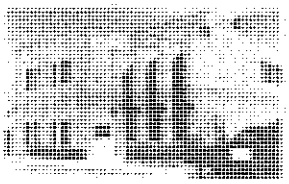
†† TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

con-test® ANALYTICAL LABORATORY

Sample Receipt Checklist



CLIENT NAME: ATC RECEIVED BY: C.C-S DATE: 10/20/11

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

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 5.8°C

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) 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	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Air Cassette	
500 mL Plastic		Hg/Hopcalite Tube	
250 mL plastic		Plastic Bag / Ziploc	53
40 mL Vial - type listed below		PM 2.5 / PM 10	
Colisure / bacteria bottle		PUF Cartridge	
Dissolved Oxygen bottle		SOC Kit	
Encore		TO-17 Tubes	
Flashpoint bottle		Non-ConTest Container	
Perchlorate Kit		Other glass jar	
Other		Other	

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 _____

Doc# 277

Rev. 1 May

SECTION 09990- PAINTING (FILED SUB-BID REQUIRED)

PART 1 - GENERAL

A. The Contractor's attention is directed to Part III, GENERAL CONDITIONS OF THE CONTRACT of these Specifications and the Contract Drawings all of which are hereby made part of this Section of the Specifications.

B. The quality of material, article, assembly of system, other than those named, shall comply with the provisions of PART III, GENERAL CONDITIONS, ARTICLE V.

C. All applicable laws, codes, and industry standards shall be applied to this Section of the specifications, When provisions of the Contract Documents conflict with any laws, codes, rules and regulations; law, codes, rules or regulations shall govern.

1.2 FILING OF SUB-BIDS

A. Sub-bids for work under this Section shall be for the complete work and shall be filed in a sealed envelope with the Division of Conservation and Recreation at a time and place stipulated in Bidding Documents.

B. The following should appear on the upper left hand corner of the envelope:

NAME OF BIDDER:

Andrew J. Petro Pool Renovation
Contract No. P11-2658-C4A
Sub-bid for Section: 09990 – Painting

C. Every sub-bid submitted for work under this Section shall be on forms furnished by Town of Ludlow, as required by Section 44F of Chapter 149 the General Laws as amended.

D. Sub-bids filed with the Division of Conservation and Recreation shall be accompanied by CASH, BID BOND, or CERTIFIED, TREASURER's, or CASHIER'S CHECK issued by a responsible bank or trust company payable to the Commonwealth of Massachusetts in the amount of five percent of the Bid. A sub-bid accompanied by any other form of bid depository than those specified will be rejected.

E. Work to be done under this Section is shown on the Drawings A101, A103, A104, A105, A106, A107, A201, A501, A503, A 601 and A701

F. The listing of Contract Drawings above shall not limit the Subcontractors responsibility to determine the full extent of his work as required by all Contract Drawings.

G. Include GENERAL CONDITIONS and applicable parts of Division 1 as part of this Section.

H. Examine all other Sections of the Specifications for requirements, which affect work under this Section whether or not such work is specifically mentioned in this Section.

I. Examine all other Sections of the Specifications for requirements which affect work under this Section whether or not such Work is specifically mentioned in this Section.

J. Coordinate work with that of all other trades affecting or affected by work of this Section. Cooperate with such trades to ensure the steady progress of all work under the Contract.

1.3 DESCRIPTION OF WORK

A. Work Included: Provide labor, materials and equipment necessary to complete the work of this Section, including but not limited to the following:
1. All scaffolding, staging, hoisting, and rigging required to perform the work.
2. Painting of concrete walls where indicated.
3. Preparation and painting of miscellaneous metal items.
4. Painting of all metal framing anchors and supports provided by division 6 Section Rough Carpentry.
5. Back priming and back staining of all exterior wood components scheduled to be painted or stained.
6. Preparation and painting of interior and exterior carpentry components, including but not limited to metal-plate-connected wood trusses where exposed to view.
7. Preparation and painting of exterior wood and cellular PVC trim
8. Preparation and painting of interior wood and cellular PVC trim
9. Preparation and painting of fiber cement siding and trim, soffits and ceilings where non-factory-finished surfaces and edges or marred and damaged surfaces and edges are exposed to view.
10. Preparation and painting of exposed to view wall flashing.
11. Preparation and painting of access doors and frames.
12. Painting all exposed to view plumbing pipes and appurtances exposed to public view.
13. Painting of exposed to view electrical conduit, panels, boxes, and devices exposed to public view.
14. Preparation and painting of interior wood surfaces of double-hung windows.
15. Painting of swimming pool tank including racing lines, safety markers, stair nosings, and wall targets.

1.4 SUMMARY

A. This Section includes surface preparation and field painting of exposed exterior and interior items and surfaces.

B. Examine Contract Documents to determine full extent of painting and finishing work required. Materials provided under other Sections that need painting or finishing and are left unfinished under requirements of other Specification Sections, shall be painted and finished to completion under work of this Section, unless specifically scheduled herein to be left unfinished.

C. Paint exposed surfaces, except where these Specifications indicate that the surface or material is not to be painted or is to remain natural. If an item or a surface is not specifically mentioned, paint the item or surface the same as similar adjacent materials or surfaces. If a color of finish is not indicated, Architect will select from full range of colors and finishes available.

D. Related Sections:
1. Division 3 Section "Cast-In-Place Concrete" for coordination with curing and form release compounds.
2. Division 4 Section – Masonry work
3. Division 5 Section "Miscellaneous Metals" for coordination with shop primed and galvanized metal fabrications.
4. Division 6 Sections "Rough Caprentry and Finish Carpentry" to coordinate backpriming and back staining of exterior wood components.
5. Division 8 Section "Windows" for coordination with factory applied primer coat.

1.5 REFERENCES

A. American Society for Testing and Materials
1. ASTM D 16-96a: Definitions of Terms Relating to Paint, Varnish, Lacquer, and Related Products

1.6 SCHEDULE OF PAINT TYPES

1. Exterior and interior paint types are scheduled at the end of this Section.

1.7 DEFINITIONS

A. General: Standard coating terms defined in ASTM D 16 apply to this Section.

1. Flat refers to a lusterless or matte finish with a gloss range below 15 when measured at an 85-degree meter.
2. Eggshell refers to low-sheen finish with a gloss range between 5 and 20 when measured at a 60-degree meter.
3. Satin refers to low-sheen finish with a gloss range between 15 and 35 when measured at a 60-degree meter.
4. Semigloss refers to medium-sheen finish with a gloss range between 30 and 65 when measured at a 60-degree meter.
5. Full gloss refers to high-sheen finish with a gloss range more than 65 when measured at a 60-degree meter.

1.8 SUBMITTALS

A. Product Data: For each paint system indicated. Include block fillers and primers.

1. Material List: An inclusive list of required coating materials. Indicate each material and cross-reference specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification.
2. Manufacturer's Information: Manufacturer's technical information, including label analysis and instructions for handling, storing, and applying each coating material.

B. Samples for Selection: For each type of finish-coat material indicated submit manufacturer’s full range of color charts or chips showing complete range of colors, textures, and finishes available for each paint system used.

C. Paint Formulas: At the completion of the painting work, submit a list of paint formulas, including manufacturer’s base and tinting instructions, for each paint and color used on the Project.

D. Qualification Data: For Applicator.

1.9 QUALITY ASSURANCE

A. Applicator Qualifications: A firm or individual experienced in applying paints and coatings similar in material, design, and extent to those indicated for this Project, whose work has resulted in applications with a record of successful in-service performance.

B. Source Limitations: Obtain block fillers and primers for each coating system from the same manufacturer as the finish coats.

C. Coordination: Review other Specification Sections where primers are provided to ensure compatibility with finish coatings provided under this Section.

1.10 TESTING

A. The Owner may employ an independent testing agency to perform tests, evaluations, and certifications of products used. Cooperate and permit samples of materials to be taken as they are used.

1.11 DELIVERY, STORAGE, AND HANDLING

A. Deliver materials to Project site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label.

B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 deg F (7 deg C). Maintain storage containers in a clean condition, free of foreign materials and residue.

1.12 PROJECT CONDITIONS

A. Weather, Temperature, and Humidity: Perform work only when existing and forecasted weather conditions fall within limits established by manufacturers of materials used.

B. Substrates: Proceed with work only when substrate construction and penetration work is complete.

1.13 EXTRA MATERIALS

A. Furnish a minimum of one gallon of extra paint materials from the same production run as the materials applied unless larger quantities are noted below. Package with protective covering for storage and identify with labels describing contents. Deliver extra materials to Owner.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Products: Subject to compliance with requirements, provide one of the products listed in other Part 2 articles.

B. Paint Manufacturers' Names: Shortened versions (shown in parentheses) of the following manufacturers' names are used in other Part 2 articles:
1. Benjamin Moore & Co. (Benjamin Moore).
2. ICI Paint Stores, Inc. (Dulux Paint).
3. PPG Industries, Inc. (Pittsburgh Paints).
4. Sherwin-Williams Co. (Sherwin-Williams).

C. Exterior Wood Stain Manufacturers' Names: In addition to the 4 manufacturers listed above, the following manufacturer's products are used in other Part 2 Articles for Exterior Wood Stain:
1. Samuel Cabot, Inc. (Cabot Stains).

2.2 Retain above for nonproprietary or below for semiproprietary specification. Refer to Division 1 Section "Product Requirements."

A. High Performance Coatings: Provide products of one of the following manufacturers that meet or exceed specified requirements; products of the Tnemec Company have been specified herein to establish minimum acceptable quality of coating(s). Products of other manufacturers name below shall be acceptable provided these products meet or exceed the specified performance criteria for each coating(s).
1. Tnemec Company, Inc.
2. The Dupont Co.
3. Carboline Co.
4. Or approved equal

B. Swimming pool surfaces where bathers would normally be expected to walk shall be made slip resistant by the addition of grit material to the paint. These areas include the zero depth ramp and stair surfaces. Follow the manufacturer’s recommendations exactly as to the amount, specific grit size and material, and any special means of application. The Engineer shall be the arbiter concerning locations that are to be made slip resistant and the final results attained, and his decision shall be final. Grit material for addition into paint shall be selected from among the following products:
1. Armada Coatings, “Non Skid Additive”
2. Southern Color, “Redi-Grip”
3. Wm. Zinsser Co., “Sand-Tex (57068)”
4. Or approved equal

C. Grit material shall be added to, and applied with the final coating.

2.3 PAINT MATERIALS, GENERAL

A. Material Compatibility: Provide block fillers, primers, and finish-coat materials that are compatible with one another and with the substrates indicated under conditions of service and application, as demonstrated by manufacturer based on testing and field experience.

B. Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified that are factory formulated and recommended by manufacturer for application indicated. Paint-material containers not displaying manufacturer's product identification will not be acceptable.

C. Provide miscellaneous painting materials such as linseed oil, shellac, turpentine, and thinner of the highest quality.

2.4 COLORS

A. Provide colors in accordance with schedule provided by Architect. If scheduled colors are not indicated on the drawings, the Architect will issue schedule of colors during the Construction Phase.

1. Architect color selection will be made in a timely manner. Selection may be dependent upon submission and acceptance of other finish items. The Architect reserves the right to issue the final paint schedule after all adjacent finish items have been submitted.
2. Mulitiple colors may be used within any space or surface.
3. Color selection may include deep-color selections.

B. Tint and match colors to the satisfaction of the Architect. Provide facilities for comparison and adjustment of colors.

C. A minimum of three colors may be used in any one room, area, or surface.

D. Provide color selections made by the Architect.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine substrates, areas, and conditions, with Applicator present, for compliance with requirements for paint application.

B. Coordination of Work: Review other Sections in which primers are provided to ensure compatibility of the total system for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible primers.

3.2 SURFACE PREPARATION

A. General: Remove hardware and hardware accessories, plates, machined surfaces, lighting fixtures, and similar items already installed that are not to be painted. If removal is impractical or impossible because of size or weight of the item, provide surface-applied protection before surface preparation and painting.

B. Cleaning: Before applying paint or other surface treatments, clean substrates of substances that could impair bond of the various coatings. Remove oil and grease before cleaning.

C. Substrate Preparation: Clean and prepare surfaces to be painted according to manufacturer's written instructions for each particular substrate condition and as specified.

D. Provide barrier coats over incompatible primers or remove and reprime.

E. Cementitious Materials: Prepare concrete unit masonry, and mineral-fiber-reinforced cement panel surfaces to be painted. Remove efflorescence, chalk, dust, dirt, grease, oils, and release agents. Roughen as required to remove glaze. If hardeners or sealers have been used to improve curing, use mechanical methods of surface preparation.
1. Use abrasive blast-cleaning methods if recommended by paint manufacturer.

2. Determine alkalinity and moisture content of surfaces by performing appropriate tests. If surfaces are sufficiently alkaline to cause the finish paint to blister and burn, correct this condition before application. Do not paint surfaces if moisture content exceeds that permitted in manufacturer's written instructions.

F. Wood: Clean surfaces of dirt, oil, and other foreign substances with scrapers, mineral spirits, and sandpaper, as required. Sand surfaces exposed to view smooth and dust off.
1. Scrape and clean small, dry, seasoned knots, and apply a thin coat of white shellac or other recommended knot sealer before applying primer. After priming, fill holes and imperfections in finish surfaces with putty or plastic wood filler. Sand smooth when dried.
2. Prime, stain, or seal wood to be painted immediately on delivery. Prime edges, ends, faces, undersides, and back sides of wood, including cabinets, counters, cases, and paneling.
3. Backprime all interior and exterior wood trim.

3.3 SURFACE PREPARATION –POOL TANK

A. Surface Preparation: Waterblast surface to provide a uniform anchor profile equal to #80 - #60 grit sandpaper

B. Spot Primer: Tnemec Series N69F Hi-Build Epoxoline II or approved equal (thinned 10% to 15% and backrolled) at 3.0 to 5.0 mils DFT, applied to prepared bare concrete surfaces.

C. Spot Repair: Using Tnemec Series 63-1500, or approved equal, fill bug- holes and resurface rough areas as required by the Engineer.

3.4 MATERIAL PREPARATION

A. Material Preparation: Mix and prepare paint materials according to manufacturer's written instructions.

1. Maintain containers used in mixing and applying paint in a clean condition, free of foreign materials and residue.
2. Stir material before application to produce a mixture of uniform density. Stir as required during application. Do not stir surface film into material. If necessary, remove surface film and strain material before using.
3. Use only thinners approved by paint manufacturer and only within recommended limits.

B. Tinting: Tint each undercoat a lighter shade to simplify identification of each coat when multiple coats of same material are applied. Tint undercoats to match the color of the finish coat, but provide sufficient differences in shade of undercoats to distinguish each separate coat.

3.5 APPLICATION

A. General: Apply paint according to manufacturer's written instructions. Use applicators and techniques best suited for substrate and type of material being applied.

1. Paint colors, surface treatments, and finishes are indicated in the paint schedules.
2. Do not paint over dirt, rust, scale, grease, moisture, scuffed surfaces, or conditions detrimental to formation of a durable paint film.
3. Provide finish coats that are compatible with primers used.
4. The term "exposed surfaces" includes areas visible when permanent or built-in fixtures, grilles, convector covers, covers for finned-tube radiation, and similar components are in place. Extend coatings in these areas, as required, to maintain system integrity and provide desired protection.
5. Paint surfaces behind movable equipment and furniture the same as similar exposed surfaces. Before final installation of equipment, paint surfaces behind permanently fixed equipment or furniture with prime coat only.
6. Paint interior surfaces of ducts with a flat, nonspecular black paint where visible through registers or grilles.
7. Paint back sides of access panels and removable or hinged covers to match exposed surfaces.
8. Finish exterior doors on tops, bottoms, and side edges the same as exterior faces.
9. Finish interior of wall and base cabinets and similar field-finished casework to match exterior.
10. Sand lightly between each succeeding enamel or varnish coat.

B. Scheduling Painting: Apply first coat to surfaces that have been cleaned, pretreated, or otherwise prepared for painting as soon as practicable after preparation and before subsequent surface deterioration.

1. The number of coats and film thickness required are the same regardless of application method. Do not apply succeeding coats until previous coat has cured as recommended by manufacturer. If sanding is required to produce a smooth, even surface according to manufacturer's written instructions, sand between applications.
2. Omit primer over metal surfaces that have been shop primed and touchup painted.
3. If undercoats, stains, or other conditions show through final coat of paint, apply additional coats until paint film is of uniform finish, color, and appearance. Give special attention to ensure that edges, corners, crevices, welds, and exposed fasteners receive a dry film thickness equivalent to that of flat surfaces.
4. Allow sufficient time between successive coats to permit proper drying. Do not recoat surfaces until paint has dried to where it feels firm, and does not deform or feel sticky under moderate thumb pressure, and until application of another coat of paint does not cause undercoat to lift or lose adhesion.

C. Application Procedures: Apply paints and coatings by brush, roller, spray, or other applicators according to manufacturer's written instructions.

1. Brushes: Use brushes best suited for type of material applied. Use brush of appropriate size for surface or item being painted.
2. Rollers: Use rollers of carpet, velvet-back, or high-pile sheep's wool as recommended by manufacturer for material and texture required.
3. Spray Equipment: Use airless spray equipment with orifice size as recommended by manufacturer for material and texture required.

D. Minimum Coating Thickness: Apply paint materials no thinner than manufacturer's recommended spreading rate to achieve dry film thickness indicated. Provide total dry film thickness of the entire system as recommended by manufacturer.

3.6 MISCELLANEOUS ITEMS TO BE PAINTED

A. Mechanical and Electrical Work: Painting of mechanical and electrical work is limited to items exposed in equipment rooms and occupied spaces.

B. Mechanical items to be painted include, but are not limited to, the following:
1. Uninsulated metal piping.
2. Uninsulated plastic piping.
3. Pipe hangers and supports.
4. Equipment, and pipe insulation having "all-service jacket" or other paintable jacket material.

C. Electrical items to be painted include, but are not limited to, the following:
1. Electrical equipment that is exposed to public view, including factory-finished items.

D. Do not paint concealed surfaces, finished metal surfaces, operating parts, and labels. Prefinished items include the following factory-finished components
1. Architectural woodwork.
2. Toilet and shower enclosures.
3. Light fixtures.

E. Concealed surfaces include walls or ceilings in the following generally inaccessible spaces:
1. Foundation spaces.
2. Furred areas.
3. Ceiling plenums.
4. Pipe spaces.

F. Labels: Do not paint over UL, FMG, or other code-required labels or equipment name, identification, performance rating, or nomenclature plates.

3.7 COATS AND FINISHES

A. Prime Coats: Before applying finish coats, apply a prime coat, as recommended by manufacturer, to material that is required to be painted or finished and that has not been prime coated by others. Recoat primed and sealed surfaces where evidence of suction spots or unsealed areas in first coat appears, to ensure a finish coat with no burn-through or other defects due to insufficient sealing.

B. Pigmented (Opaque) Finishes: Completely cover surfaces as necessary to provide a smooth, opaque surface of uniform finish, color, appearance, and coverage. Cloudiness, spotting, holidays, laps, brush marks, runs, sags, ropiness, or other surface imperfections will not be acceptable.

C. Completed Work: Match approved samples for color, texture, and coverage. Remove, refinish, or repaint work not complying with requirements.

3.8 FIELD QUALITY CONTROL

A. Owner reserves the right to invoke the following test procedure at any time and as often as Owner deems necessary during the period when paint is being applied:

1. Owner may engage a qualified independent testing agency to sample paint material being used. Samples of material delivered to Project will be taken, identified, sealed, and certified in the presence of Contractor.

2. Owner may direct Contractor to stop painting if test results show material being used does not comply with specified requirements. Contractor shall remove noncomplying paint from Project site, pay for testing, and repaint surfaces previously coated with the noncomplying paint. If necessary, Contractor may be required to remove noncomplying paint from previously painted surfaces if, on repainting with specified paint, the two coatings are incompatible.

3.9 CLEANING

A. Cleanup: At the end of each workday, remove empty cans, rags, rubbish, and other discarded paint materials from Project site.

1. After completing painting, clean glass and paint-spattered surfaces. Remove spattered paint by washing and scraping without scratching or damaging adjacent finished surfaces.

3.10 PROTECTION

A. Protect work of other trades, whether being painted or not, against damage from painting. Correct damage by cleaning, repairing or replacing, and repainting, as approved by Architect.

B. Provide "Wet Paint" signs to protect newly painted finishes. After completing painting operations, remove temporary protective wrappings provided by others to protect their work.

3.11 EXTERIOR PAINT SCHEDULE

A. Ferrous Metal: Provide the following finish systems over exterior ferrous metal. Primer is not required on shop-primed items.

1. Same at Ferrous Metal Paint scheduled for interior. Refer to INTERIOR PAINT SCHEDULE .

B. Zinc Coated Metal: Provide the following finish systems over exterior zinc coated metal. Primer is not required on shop-primed items.

1. Same at Zinc Coated Metal Paint scheduled for interior. Refer to INTERIOR PAINT SCHEDULE .

C. **Concrete Masonry Units :** Provide the following finish systems over interior and exterior surface of the concrete masonry block units at new wall for the filter building.
1. Severe Exposure, Physical Contact, Abrasion, Wet, Showers, Bathrooms:
   a. System Type: Epoxy.
   b. Block Filler. Series 130 Envirofill
   c. Primer: Series 201 Epoxoprime.[1] DFT 6.0 to 8.0 mils.
   d. Intermediate Coat: Series 270 Stranlok. DFT 25.0 to 40.0 mils.
   e. Finish Coat: Series 280 Tneme-Glaze. DFT 6.0 to 8.0 mils.
   f. Total DFT: 37.0 to 56.0 mils plus filler.
   g. Finish Color: As selected by Architect from manufacturer's standard colors.

3.12 FIBER-CEMENT BOARD AND SIDING STAIN SCHEDULE

A. Fiber-Cement siding, soffit panels, ceiling panels and chase cover panels:

1. Prime coat as recommended by manufacturer, unless factory primed materials.
2. Solid-Color Acrylic Stain: Factory-formulated acrylic-resin-based solid-color stain applied at spreading rate recommended by manufacturer

   a. Benjamin Moore: Moorcraft Super Spec Acrylic Exterior Stain No. 179.
   b. Dulux Paint: 2600-XXXX Woodpride Exterior Waterborne Solid Color Stain.
   c. Pittsburgh Paints: 77-400 Series Pittsburgh Paints Exterior Solid Color Acrylic Latex Stains.
   d. Samuel Cabot: O.V.T. Solid Color Acrylic Stain 0600 Series.
   e. Sherwin-Williams: WoodScapes House Stain Exterior Acrylic Solid Color A15 Series.
3. Paint all wood trim battens at ceiling to match panels.
4. PAINT THE VERTICAL SURFACE OF ALL PVC TRIM TO COVER NAILS AND MARKS ON THE SURFACE OF THE TRIM.

3.13 INTERIOR PAINT SCHEDULE

A. Concrete Masonry Units: Provide the following finish systems over interior concrete masonry block units:

1. Semigloss, Alkyd-Enamel Finish: 2 finish coats over an undercoat and a filled surface.

   a. Block Filler: High-performance, latex-based, block filler applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 5.0 mils (0.13 mm).

1) ICI: 3010-XXXX Ultra-Hide Interior/Exterior Vinyl-Acrylic Block Filler.
2) Moore: Supercraft Bock Filler #285.
3) PPG: 6-7 Speedhide Interior/Exterior Masonry Latex Block Filler.
4) S-W: Heavy-Duty Block Filler B42W46.

b. Undercoat: Interior, alkyd- or latex-based, enamel undercoater, as recommended by the manufacturer for this substrate, applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 1.2 mils (0.031 mm).

1) ICI: 1507-XXXX Dulux Ultra Traditional Inteior Alkyd Semi-Gloss Wall & Trim Emanel.
2) Moore: SuperSpec Alkyd Enamel Undercoater & Primer Sealer #245
3) PPG: Speedhide 6-1110 Alkyd Semi-Gloss Interior Enamel
4) S-W: PrepRite Block Filler B25W25

c. Finish Coat: Odorless, semigloss, alkyd, interior enamel applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 1.5 mils (0.038 mm).

1) ICI: 1507-XXXX Dulux Ultra Traditional Inteior Alkyd Semi-Gloss Wall & Trim Emanel.
2) Moore: SuperSpec Alkyd Semi-Gloss Enamel #271
3) PPG: Speedhide 6-1110 Alkyd Semi-Gloss Interior Enamel.
4) S-W: ProClassic H.S. Interior Semi-Gloss Alkyd Enamel A-34 Series.

B. Painted Wood: Provide the following paint finish systems over new, interior wood surfaces:

1. Semigloss, Acrylic-Enamel Finish: 2 finish coats over a primer.

a. Primer: Exterior, alkyd or latex, wood primer, as recommended by the manufacturer for this substrate, applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 1.5 mils (0.038 mm).

1) ICI: 2402-XXXX Dulux Professional Exterior 100% Acylic Satin Finish
2) Moore: Super Spec Alkyd Exterior Primer #176
3) PPG: Speedhide 6-609 Exterior Latex Wood Primer.
4) SW: A100 Exterior Latex Wood Primer B42 series

b. First and Second Coats: Semigloss, waterborne, exterior, acrylic enamel applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 2.4 mils (0.061 mm).
1) ICI: 2406-XXXX Dulux Professional Exterior 100% Acrylic Semi-Gloss
2) Moore: SuperSpec Latex House & Trim Paint #170

3) PPG: 78 Line Sun-Proof Semi-Gloss Acrylic Latex House and Trim Paint.
4) SW: A100 Exterior Acrylic Latex Satin A81 Series

C. Ferrous Metal: Provide the following finish systems over ferrous metal:

1. Semigloss, Acrylic-Enamel Finish: One finish coat over an enamel undercoater and a primer.

a. Primer: Quick-drying, rust-inhibitive, alkyd-based or epoxy-metal primer, as recommended by the manufacturer for this substrate, applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 1.5 mils (0.038 mm).

1) ICI 4120-XXXX Devguard All Purpose Metal & Galvanized Primer.
2) Moore: IronClad Alkyd Low Lustre Metal & Wood Enamel #63
3) PPG: 7-858/852 Industrial Rust Inhibitive Steel Primer.
4) SW: Kem Kromik Universal Metal Primer B50Z series

b. Undercoat: Alkyd, interior enamel undercoat or semigloss, acrylic-latex, interior enamel, as recommended by the manufacturer for this substrate, applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 1.3 mils (0.033 mm).

1) ICI: 1406-XXXX Dulux Professional Acrylic Semi-gloss Wall & Trim Enamel.
2) Moore: SuperSpec Alkyd Enamel Undercoater & Primer Sealer #245.
3) PPG Speedhide 6-500 Series Acrylic Latex Semi-Gloss Enamel.
4) SW: Kem Kromik Universal Metal Primer B50Z series

c. Finish Coat: Semigloss, acrylic-latex, interior enamel applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 1.3 mils (0.033 mm).

1) ICI: 1406-XXXX Dulux Professional Acrylic Semi-gloss Wall & Trim Enamel.
2) Moore: SuperSpec Semi-Gloss Enamel #276.
3) PPG: : Speedhide 6-500 Series Acrylic Latex Semi-Gloss Enamel.
4) SW: DTM Acrylic Latex Semi Gloss B66-200

D. Zinc-Coated Metal: Provide the following finish systems over exterior zinc-coated (galvanized) metal surfaces:

1. Semigloss, Acrylic-Enamel Finish: 2 finish coats over a galvanized metal primer.

a. Primer: Galvanized metal primer applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 1.2 mils (0.031 mm).

1) ICI: 4120-XXXX Devguard All Purpose Metal & Galvanized Primer.
2) Moore: M04 Acrylic Metal Primer
3) PPG: 90-709 Pitt-Tech One Pack Interior/Exterior Primer/Finish DTM Industrial Enamel.
4) SW: DTM Acrylic Primer/finish B66W1 Series

b. First and Second Coats: Semigloss, exterior, acrylic-latex enamel applied at spreading rate recommended by the manufacturer to achieve a total dry film thickness of not less than 2.6 mils (0.066 mm).

1) ICI: 2406-XXXX Dulux Professional Exterior 100% Acrylic Semi-gloss Finish.
2) Moore: SuperSpec Latex House & Trim Paint #170
3) PPG: 78 Line Sun-Proof Semi-Gloss Acrylic Latex House and Trim Paint.
4) SW: DTM Acrylic Semigloss B66-200 Series

3.14 POOL PAINT

A. High Performance Pool Tank and Tank Graphics Coatings:
1. Spot Primer: Specified in Part 3 Article
2. Spot Repair: Specified in Part 3 Article
3. Full Intermediate Coat: Tnemec Series N69F Hi-Build Epoxoline II (thinned 5% and backroll) or approved equal, at 4.0 to 6.0 mils DFT to spot primed and remaining/prepared surfaces scheduled for painting.
4. Finish Coat: Tnemec Series N69F Hi-Build Epoxoline II or approved equal, at 4.0 to 6.0 mils DFT applied to all surfaces scheduled for painting.

B. Colors: Colors: Pool tank shall be white with contrasting lane lines, targets, nosings, and other graphics.

C. Abrasive Surface
1. Abrasive Surface: Apply abrasive surface in final finish coat to provide slightly abrasive finish surface in the following locations:
a. Stairs/Steps

PART 4 – BASIS OF PAYMENT

A. Payment for “Painting” shall be paid for under the contract Lump Sum Bid Price, which shall include all labor, tools, materials, equipment, transportation and all other incidental work as necessary to provide a complete and proper product.

END OF SECTION 09990

SECTION 09670 – SEAMLESS QUARTZ FLOORING

PART 1 - GENERAL

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes seamless epoxy surfacing material, integral base, including surface preparation, primers and finish coats. Work includes:
   1. 1/8 inch floor with high solids top coat for general application.
   2. Scope includes rooms in the bathhouse and staff building listed on the drawings.

B. Related Section:
   1. Division 3 Section “Cast-in-Place Work” for coordination of concrete finishing and epoxy flooring application.
   2. Division 7 Section "Joint Sealants" for sealants installed with epoxy flooring

1.3 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: Include installation requirements. Include plans, elevations, sections, component details, and attachments to other work. Show layout of the following:

   1. Control Joint Details
   2. Wall Base Details
   3. Transition Details

C. Samples for Initial Selection: **Manufacturer's** color plates showing the full range of colors and patterns available.

D. Samples for Verification: For each type, material, color, and pattern of epoxy flooring and accessory required showing the full range of color, texture, and pattern variations expected. Label each epoxy flooring sample to identify manufacturer's matrix color and **aggregate** types, sizes, and proportions. Prepare samples of same thickness and from same material to be used for the Work in size indicated below:

   1. Epoxy: **6-inch- (150-mm-)** square Samples.

E. Installer Certificates: Signed by manufacturers certifying that installers comply with requirements.

F. Qualification Data: For qualified Installer.

G. Material Certificates: For each type of epoxy flooring material or product, from manufacturer.

H. Maintenance Data: For epoxy flooring to include in maintenance manuals.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: A qualified installer who is acceptable to epoxy flooring manufacturer to install manufacturer's products.

B. Source Limitations: Obtain primary epoxy materials from one source from a single manufacturer. Provide secondary materials including patching and fill material, joint sealant, and repair materials of type and from source recommended by manufacturer of primary materials.

1.5 DELIVERY STORAGE AND HANDLING

A. Deliver material to job site in clean, clearly labeled containers and inspect prior to start of job.

B. Store material in a dry, enclosed area protected from the elements. Keep temperature of storage area between 60o and 90o F.

1.6 ENVIRONMENTAL REQUIRMENTS

A. Cure new concrete no less than 28 days under good conditions. Follow manufacturer’s guidelines to check concrete substrate for proper readings before proceeding with flooring installation.

B. Verify that substrate is properly equipped with vapor barriers and perimeter drains.

C. Verify supply of adequate utilities, including electric, water, heat (between 60o and 90o F.) and lighting of no less than 80 ft candles measured at floor surface.

D. Free work area of other trades during, and for a period of 24 hours, after floor installation.

E. Protect finished floor from damage by subsequent trades.

1.7 WARRANTY

A. Submit a one-year warranty against defects in material and workmanship upon substantial completion of installation.

PART 2 - PRODUCTS

2.1 BASIS-OF-DESIGN

A. Basis-of-Design Product: Subject to compliance with requirements, provide epoxy flooring by DUR-A-FLEX, INC. or a comparable product by one of the following:
   1. DEX-O-TEX by CrossField Products, Corp.

2. Crown Polymers, LLC
3. Or approved equal.

B. Standard Flooring: Dur-A-Flex, Inc, Hybri-Flex EQ (self leveling broadcast quartz), epoxy/aliphatic urethane topcoat seamless flooring system.
1. System Materials:
   a. Topping: Dur-A-Flex, Inc, Poly-Crete MD resin, hardener and SL aggregate.
   b. The broadcast aggregate shall be Dur-A-Flex, Inc. Q11 quartz aggregate.
   c. Broadcast: Dur-A-Flex, Inc. Dur-A-Glaze #4, epoxy based two-component resin.
   d. Seal coats: Dur-A-Flex, Inc Dur-A-Glaze #4, epoxy-based, two-component resin.
   e. Top coat: Dur-A-Flex, Inc. Poly-Thane 2HS aliphatic urethane 2 component resin.
2. Patch Materials
   a. Shallow Fill and Patching: Use Dur-A-Flex, Inc. Poly-Crete MD (up to ¼ inch).
   b. Deep Fill and Sloping Material (over ¼ inch): Use Dur-A-Flex, Inc. Poly-Crete WR.

2.2 BASIS OF DESIGN PRODUCT REQUIREMENTS

A. Topping — Poly-Crete SL

1.	Percent Reactive	100 %
2.	VOC	0 g/L
3.	Bond Strength to Concrete ASTM D 4541	400 psi, substrates fails
4.	Compressive Strength, ASTM C579	7,250 psi
5.	Tensile Strength, ASTM D 638	750 psi
6.	Flexural Strength, ASTM D 790	4,400 psi
7.	Impact Resistance @ 125 mils, MIL D-3134,	160 inch lbs
8.	No visible damage or deterioration	

B. Broadcast Coat — Dur-A-Glaze #4 Resin

1.	Percent Reactive,	100 %
2.	VOC	<4 g/L
3.	Water Absorption, ASTM D 570	0.04%
4.	Tensile Strength, ASTM D 638	4000psi
5.	Coefficient of thermal expansion ASTM D 696,	2×10^{-5} in/in/F
6.	Flammability ASTM D-635	Self-Extinguishing
7.	Flame Spread/ NFPA 101 ASTM E-84	Class A

C. Topcoat — Poly-Thane 2 HS

1.	VOC	320.8 g/L
2.	60 Degree Gloss ASTM D523	90+
3.	Tensile strength, ASTM D 638	7,000 psi
4.	Elongation ASTM D2370	9%
5.	Abrasion Resistance ASTM D-460	10 mg loss
6.	CS 17 1,000 gm load, 1,000 cycles	
7.	Potlife @ 68 F	2 hours
8.	Dry properties, 72°F, 50% R.H.	6-8 hours
9.	hard Dry	12 hours

10. Full Chemical resistance 7 days

2.3 PRODUCT MIXING

A. Mix on site with manufacturer supplied mixing and measure apparatus to ensure a timely, accurate mix ratio and minimize waste.

PART 3 - EXECUTION

3.1 INSPECTION

A. Moisture Testing: Perform anhydrous calcium chloride test ASTM F 1869-98.
   1. Perform three tests for the first 1,000 sf and then one test per 1,000 sf after that.
   2. Application will proceed only when the vapor/moisture emission rates from the slab is less than and not higher than 12 lbs/1,000 sf/24 hrs.
   3. If the vapor drive exceeds 12 lbs/1,000 sf/24 hrs provide a vapor mitigation system that has been approved by the manufacturer or other means to lower the value to the acceptable limit.

3.2 PREPARATION

A. Create a surface profile with a steel shot blast machine, scarifier, and dust-free diamond grinders for edges. Remove all unsound areas of existing epoxy flooring.

B. Floor areas inaccessible to the mobile blast machines shall be mechanically abraded to the same degree of cleanliness, soundness and profile using diamond grinders, needle guns, bush hammers, or other suitable equipment.

C. Where the perimeter of the substrate to be coated is not adjacent to a wall or curb, a minimum 1/4 inch key cut shall be made to properly seat the system, providing a smooth transition between areas. The detail cut shall also apply to drain perimeters and expansion joint edges

D. Cracks and joints (non-moving) greater than 1/8 inch wide are to be chiseled or chipped-out and repaired per manufacturer’s recommendations.

E. Verify that surface is dry and perfectly clean, free of all oil, grease, detergent film, sealers and/or curing compounds.

3.3 INSTALLATION – STANDARD FLOORING

A. General: The system shall be applied in five distinct steps as listed below:
   1. Substrate preparation
   2. Topping/overlay application with quartz aggregate broadcast.
   3. Resin application with quartz aggregate broadcast.

4. Topcoat application
5. Second topcoat application.
6. Immediately prior to the application of any component of the system, the surface shall be dry and any remaining dust or loose particles shall be removed using a vacuum or clean, dry, oil-free compressed air.
7. The handling, mixing and addition of components shall be performed in a safe manner to achieve the desired results in accordance with the Manufacturer's recommendations.
8. The system shall follow the contour of the substrate unless pitching or other leveling work has been specified by the Architect.
9. A neat finish with well-defined boundaries and straight edges shall be provided by the Applicator.

B. Topping
1. The topping shall be applied as a self-leveling system as specified by the Architect. The topping shall be applied in one lift with a nominal thickness of 1/8 inch.
2. The topping shall be comprised of three components, a resin, hardener and filler as supplied by the Manufacturer.
3. The hardener shall be added to the resin and thoroughly dispersed by suitably approved mechanical means. SL Aggregate shall then be added to the catalyzed mixture and mixed in a manner to achieve a homogenous blend.
4. The topping shall be applied over horizontal surfaces using ½ inch “v” notched squeegee, trowels or other systems approved by the Manufacturer.
5. Immediately upon placing, the topping shall be degassed with a loop roller.
6. Quartz aggregate shall be broadcast to excess into the wet material at the rate of 0.8 lbs/sf.
7. Allow material to fully cure. Vacuum, sweep and/or blow to remove all loose aggregate.

C. Broadcast
1. The broadcast coat resin shall be applied at the rate of 50 sf/gal.
2. The broadcast coat shall be comprised of liquid components, combined at a ratio of 2 parts resin to 1 part hardener by volume and shall be thoroughly blended by mechanical means such as a high speed paddle mixer.
3. Quartz aggregate shall be broadcast into the wet resin at the rate of 0.5 lbs/sf.
4. Allow material to fully cure. Vacuum, sweep and/or blow to remove all loose aggregate.

D. Topcoat
1. The first topcoat shall be squeegee applied with a coverage rate of 50 sf/gal.
2. The topcoat shall be comprised of liquid components, combined at a ratio of 2 parts resin to 1 part hardener by volume and shall be thoroughly blended by mechanical means such as a high speed paddle mixer.
3. The first topcoat will be back rolled and cross rolled to provide a uniform texture and finish

E. The second topcoat shall be roller applier with a coverage rate of 300 sf/gal.

F. The finish floor will have a nominal thickness of 1/4 inch.

3.4 CLEANING AND PROTECTION

A. Cleaning:

1. Remove debris and application materials from installation and adjacent areas.
2. Wash surfaces with cleaner according to written recommendations and manufacturer's written instructions; rinse surfaces with water and allow to dry thoroughly.

B. Protection: Provide final protection and maintain conditions, in a manner acceptable to Installer, that ensure that epoxy flooring is without damage or deterioration at time of Substantial Completion.

PART 4 – BASIS OF PAYMENT

A. Payment for “Seamless Quartz Flooring” shall be paid for under the contract Lump Sum Bid Price, which shall include all labor, tools, materials, equipment, transportation and all other incidental work as necessary to provide a complete and proper product.

END OF SECTION 01000

From: Michael Gitten
To: "Tisa.Kimberly@epamail.epa.gov"
Cc: "Lowell, Robert (DCR)"; Okula, Judy (DCR); Chris Amorelli
Subject: DCR Petro Pool - Southbridge, MA - Notification Clarifications.
Date: Tuesday, March 06, 2012 10:03:00 AM

Kim:

On behalf of the DCR and in follow up to our 3/5/12 conversation, I send the following clarifications to the Modification to Notification of TSCA Self-Implementing Clean-up of PCBs, Andre J Petro Swimming Pool, Southbridge, MA (ATC 2/1/12). The contractor is ready to proceed with work immediately upon receiving the EPA's approval.

1. Main Pool – Vertical Joint – Concrete: Concrete will be managed as >/= 50 ppm remediation waste. Material can be managed as < 50 ppm remediation waste if 3 concrete samples from adjacent to the vertical caulk joint are submitted for PCB analysis and all results are < 50 ppm
2. Filter Building – "Closet Window" – One row of concrete block around the window will be removed and managed as > 50 ppm PCB Remediation Waste.
3. Filter Building – Door: There was a conflict between the 2/1/12 text and Table 2. The intent is to remove one row of CMU from around the door and manage as > 50 ppm PCB Remediation Waste. One sample will be collected from each side of the remaining concrete wall for PCB analysis to confirm that concentrations are < 1 ppm.
4. Main Pool – Soil Behind Gutter: If it is determined that the horizontal caulk joint in the pool gutter contacts soil, one post abatement soil sample will be collected every 10 linear ft. Based upon 280 linear feet this will lead to 28 samples. Samples may be composited from grab samples collected every 10 feet, with the compliance level reduced to reflect the number of samples in the composite. For example, if two locations are composited together, the compliance level will be 0.5 ppm.
5. Guard House – Soil: If it is determined that the exterior caulk contacts the soil 3 samples will be collected for laboratory analysis. It is anticipated that the area that might be impacted is approximately 30 linear feet.
6. Main Pool – Concrete Wall: After the gutter is removed and at least 6-inches of concrete beneath the sill, concrete samples will be collected to confirm that the top of the pool wall is all 1 ppm or less. One sample will be collected every 10 feet for the first 100 feet, and if all results are 1 ppm or less, then every 30 feet. This will lead to 16 samples. This sampling frequency is proposed based upon the available concrete data that shows most areas of the pool concrete to be < 1 ppm prior to abatement. If levels are found to be > 1 ppm, additional concrete will be removed for offsite management, or the EPA consulted to discuss options for leaving concrete in place.
7. Guard House and Bath House Ventilation: Motorized fans will be installed in the portions of the Guard House and Bath House to be encapsulated and regularly occupied during pool operation. Note that these buildings are not air tight or constructed for heating or cooling and already incorporate a significant amount of passive ventilation.
8. Guard House and Bath House Ancillary CMU/Concrete Removal: If CMU/concrete beyond what is specifically identified in the Notification must be removed to support ancillary work (e.g. utility installation) and is located within one block or 6-inches (whichever is greater) from a PCB Bulk Product sealant it shall be managed as PCB Remediation Waste >/= 50 ppm unless additional sampling determines otherwise. CMU/concrete from greater distances will be managed as PCB Remediation Waste < 50 ppm.
9. Post abatement wipe sampling: Wipe samples of encapsulated surfaces will be collected so that one side of the 10 cm square sampling areas abuts a joint where PCB Bulk Product Waste sealant was removed.

Let me know if you need anything else to facilitate the EPA's review and approval of the proposed work.

Thank you

Mike

Michael Gitten, LSP, PE | Division Manager - Environmental Services | ATC Associates Inc. | **Boston**
781-404-1439 direct | 978-697-5367 mobile

600 West Cummings Park | Suite 5450 | Woburn, Massachusetts 01801
781-932-9400 tel | 781-932-6211 fax | www.atcassociates.com

PLEASE NOTE: This message, including any attachments, may include privileged, confidential and/or inside information. Any distribution or use of this communication by anyone other than the intended recipient is strictly prohibited and may be unlawful. If you are not the intended recipient, please notify the sender by replying to this message and then delete it from your computer.

From:	Lowell, Robert (DCR)
To:	Kim Tisa (tisa.kimberly@epa.gov)
Cc:	Michael Gitten; Okula, Judy (DCR)
Subject:	DCR Petro Pool Southbridge MA - Responses to 4/11/12 work plan questions
Date:	Wednesday, April 25, 2012 11:41:46 AM
Attachments:	Petrto Pool haz waste location on site drawing.pdf

---

Kim –

In response to the questions raised by EPA reprinted here below , DCR's Contractor and LSP (SRS Contractors Inc & ATC Associates, respectively) provide the following:

Page 1. Page 4. First Step B.3.

a. Please note that there are two (2) Step B.3's shown in the work plan.

b. It is indicated in the 2nd paragraph of this section that the metal gutter will be wiped clean with hexane and disposed of as a non-hazardous debris. It was indicated in the Notification that the gutter would be decontaminated to achieve a < 10 µg/100 cm^2 PCB cleanup standard for purposes of disposal. Thus, clarification is requested on how this determination will be made. Will surface wipe sampling be conducted following cleaning of the gutters with hexane? If so, by whom and how?

Response: Note 1a - The second Step B.3, Containing Debris, will be re-numbered as B.4. Note 1b – ATC exposed the backside of the gutter in one location to approximately one foot. There was no sign of mastic, paper, or caulk. The gutter seams were all welded. To confirm disposal options for the steel gutter, ATC will take wipe samples to verify that PCB < 10 ug/100 sq.cm. Where the gutter is contaminated with caulk, it will be de-contaminated using either hexane or diesel, and managed and disposed as PCB Remediation Waste if PCBs are > or = 10 ug/100 sq.cm.

2. Page 4. Second Step B.3.

a. Please be aware that all PCB containers as well as the PCB storage area(s) must be marked in accordance with §§ 761.40 and 761.45. This information should be included in the contractor work plan.

b. Please be aware that the "PCB waste accumulation start date" should be identified on each PCB container. This should also be included in the contractor work plan.

c. Is a figure available showing the tentative PCB storage location(s) as well as the decontamination area(s). If so, please provide.

Response: Note 2a - Waste containers and waste storage areas will be marked in accordance with Sections 761.40 and 761.45. Note 2b - PCB accumulation start dates will be noted on the containers. Note 2c - Attached is a sketch which shows the locations of decontamination unit and the PCB storage area. The decontamination unit is a wooden frame unit with double poly sheeting which is secured to the bath house exterior wall with duct tape. The current

PCB storage area is also located adjacent to the bath house in the inner fenced area by the Wading Pool. It's partially covered by a roof overhang and marked with caution tape. Should additional storage area be needed, materials will be stored near the current waste dumpsters on the northern portion of the site inside the facility fence. The materials will be stored on poly and covered with poly until they are put in DOT approved containers.

3. Page 5. Second Step B.3. Please clarify what is meant by "Other debris is TSCA regulated". That is, what PCB wastes are included under this category and how will these wastes be disposed of?

Response: Note 3 - ATC indicates this refers to PCB remediation waste going to Turnkey. On page 6 of the Work Plan, Disposal of TSCA regulated Debris, SRS indicates PCB remediation waste < 50 ppm PCBs will go to Turnkey in Rochester, NH. Non-regulated demolition debris (e.g. excluded product paint chip waste) will go to WCA/ Waste Corporation of Ohio in Fostoria, OH.

4. Page 6. Step C.3. - Please be aware that storage areas are required to be maintained in accordance with § 761.65 and labeled in accordance with § 761.40 and § 761.45 (see previous comment 2).

Response: Note 4 – SRS acknowledges that waste storage areas will be maintained in accordance with Section 761.65 and containers labeled and marked in accordance with section 761.40 and 761.45 as noted in previous comment 2a.

5. Page 6. Step D.

a. It is unclear how tools, equipment, etc. will be decontaminated upon completion of the project and prior to removal from the Site to meet the requirements under § 761.79. Please clarify.

b. Please clarify how the dirt/dust from HEPA vacuuming will be disposed of.

Response: Note 5a - Tools and equipment will be decontaminated with a double wipe with hexane or diesel-wetted rags (more likely diesel) after usage and prior to leaving the site, or disposed of with the PCB bulk product wastes, as noted in the work plan.

Note 5b - Dirt/debris generated from the HEPA vacuums will be disposed in the 55-gallon steel drums containing the PCB bulk product waste.

6. Page 7. *PCB Bulk Product Waste* or *PCB Remediation Waste* ≤ 50 ppm paragraph

a. Please be aware that PCB Remediation Waste with 50 ppm or greater (≥) cannot be disposed of at the Turnkey Facility in Rochester, NH. This should read "PCB remediation waste less than (<) 50 ppm.

b. Please be aware that by definition *PCB Bulk Product Waste* is a ≥ 50 ppm

PCB waste. Thus it appears to be indicated in this paragraph that this waste also would be disposed of in Turnkey. Please clarify if this is what was intended or if not, please clarify.

Response: Note 6a – SRS acknowledges that PCB remediation wastes containing > or = 50 ppm PCBs cannot be disposed of at Turnkey, Rochester, NH. Any PCB remediation waste containing > or = 50 ppm PCBs will be disposed at Wayne Disposal, Belleville, MI. Note 6b – No PCB bulk product waste will be disposed at Turnkey, Rochester, NH. PCB bulk product waste will be disposed at Wayne Disposal, Bellevue, MI.

7. For future reference, please be aware that TOSCA should be TSCA (Toxic Substances Control Act).

Response: 7 – SRS acknowledges that in the future TSCA (Toxic Substances Control Act) will be referenced as the applicable law and regulations to cover PCB handling and disposal.

Please advise if you need any clarification.
Thank you again for your assistance.
Sincerely,
Robert Lowell
Environmental Section Chief
Department of Conservation and Recreation
251 Causeway Street, Ste. 600
Boston, MA 02114
617-626-1340
508-509-1757 cell