

# PCB REMEDIATION COMPLETION REPORT

Riverfield Elementary School

Fairfield, Connecticut



Project No. 227361

**Kenneth Boroson Architects, LLC** 

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### 1. INTRODUCTION

This Polychlorinated Biphenyl (PCB) Remediation Completion Report has been prepared by Woodard & Curran on behalf of the Fairfield School District to comply with the requirements set forth in the U.S. Environmental Protection Agency's (EPA) July 22, 2014 PCB Cleanup and Risk-Based Disposal Approval under 40 CFR 761.61(a) and (c) (the Approval) for the subject work. This Approval is provided in Appendix A to this Report.

This report documents PCB remediation activities conducted at the Riverfield Elementary School located at 1625 Mill Plain Road, Fairfield, Connecticut (see Figure 1-1 below) as described in the Notification¹ and the Approval and modifications provided in the January 21, 2015 PCB Remediation Project Status Update. In addition, this report documents the removal and off-site disposal of ≥ 50 ppm PCB containing waterproofing felt identified within the walls of the gymnasium portion of the building and the subject of the Consent Agreement and Final Order (CAFO) between the EPA and the Fairfield School District dated August 27, 2014. Activities associated with the waterproofing felt were conducted in accordance with the PCB Remediation Plan for the Gymnasium Waterproofing Felt submitted to EPA on May 12, 2015.

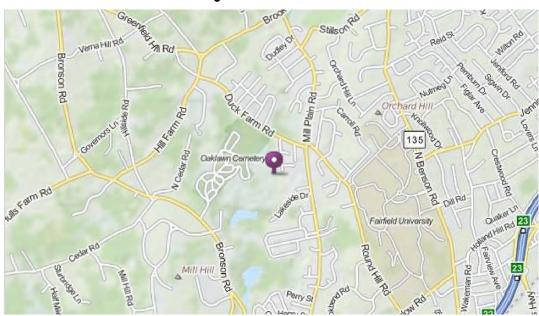


Figure 1-1 Site Location

### 1.1 SITE DESCRIPTION

The Riverfield Elementary School is a single floor school building located at 1625 Mill Plain Road, Fairfield, Connecticut. The main portion of the building was constructed in 1958/1959 with an expansion conducted in 1971, which added a

<sup>&</sup>lt;sup>1</sup> Information was prepared by Woodard & Curran on behalf of the Fairfield School District to support a PCB cleanup and risk-based disposal approach under 40 CFR 761.61(a) and (c). Information was submitted dated January 7, 2014 (PCB Remediation Plan): March 4, 2014 (Response to EPA questions on PCB Remediation Plan): March 28, 2014 (emails Revised Figure 5-1, gymnasium door and expansion joint plan summary); May 9, 2014 (emails clarification on removal/encapsulation distance); and May 12, 2014 (emails public outreach information). These submittals together form the "Notification."



gymnasium, the "POD" classroom wing, and a media center. Additional expansions were also conducted in 2000, 2005, and 2009. A site plan depicting the footprint of the building is provided as Figure 1-2.

### 1.2 SITE BACKGROUND / CONCEPTUAL SITE MODEL

As part of the preparation for an interior renovation project, a materials survey was conducted to check for the presence of various hazardous materials that may be encountered during the project. This included inspection and sampling of suspect materials for asbestos, lead based paint, and PCBs within planned renovation areas within the 1958/59 Construction Area and the 1971 Gymnasium Addition.

Suspect materials within the renovation areas were observed during the survey and samples of materials were collected and submitted for hazardous materials determination, including PCB analysis. Results from the survey and sampling indicated that the majority of the samples were either non-detect or exhibited PCB concentrations < 50 ppm, including all samples collected from within the 1958/1959 portion of the building. PCBs were identified at concentrations  $\ge 50$  ppm in three types of materials located within the 1971 gymnasium area. These materials included waterproofing felt in the gymnasium walls, caulking along six door frames, and caulking within three exterior brick to brick expansion joints.

Characterization samples of building materials adjacent to the sealants containing PCBs  $\geq$  50 ppm were collected to determine the nature and extent of PCBs in these materials. Characterization sample results were used with the overall renovation plan, to develop the remediation plan for the removal and disposal of  $\geq$  50 ppm PCB-containing materials as well as those materials impacted by  $\geq$  50 ppm PCB containing materials.

### 1.3 SUBMITTALS AND PROJECT TIMELINE

The following list provides a summary of the major activities conducted and document submittals prepared as part of the remediation activities. It should be noted that sampling was conducted throughout the program in support of these submittals.

- PCB Remediation Plan submitted January 7, 2014
- Revised figures submitted March 4, 2014
- Clarification on removal/encapsulation distance submitted May 9, 2014
- Public outreach correspondence May 12, 2014
- EPA Approval received July 22, 2014
- Owner Acknowledgement of PCB Cleanup and Risk-Based Disposal Approval submitted July 30, 2014
- School Community Outreach Plan submitted August 26, 2014
- Request for extension for submittal of Long Term Monitoring Plan pending determination as to whether or not the gymnasium walls were to be removed submitted – September 24, 2014
- Contractor Work Plans and Certifications multiple submittals between November 2014 and May 2015
- PCB Remediation Activities commenced November 14, 2014 (limited work conducted during school break periods)
- PCB Remediation Project Status Update January 21, 2015
- PCB Remediation Plan Gymnasium Waterproofing Felt submitted May 12, 2015
- PCB Remediation Activities completed December 16, 2015 (final waste shipment)



### 1.4 PROJECT TEAM

The remediation project team consisted of the following parties:

- Fairfield School District Owner
- Gilbane, Inc. General Contractor
- AAIS Corporation PCB Remediation Subcontractor
- Enviromed Services Asbestos monitoring and perimeter dust monitoring subcontractor
- Woodard & Curran, Inc. PCB Remediation Consultant
- Con-Test Analytical Laboratory Laboratory for PCB sample analysis



### 2. REMEDY IMPLEMENTATION

This section describes the PCB cleanup and disposal activities conducted at the Site under the Approval, consistent with the requirements of 40 CFR 761.61 (a) and (c) and activities conducted for the removal of the waterproofing felt within the walls of the gymnasium. Limited remediation activities began on November 15, 2014 and the majority of activities were conducted in June and July of 2015. Activities were completed on December 16, 2015 with the final shipment of waste materials related to the PCB remediation activities.

In summary, all  $\geq$  50 ppm PCB containing caulking, sealants, and building materials were removed for off-site disposal as PCB Bulk Product Waste, including the gymnasium wall waterproofing felt subject to the requirements of the CAFO. Door frames and components and adjacent building materials coated with  $\geq$  50 ppm PCB sealants were also removed for off-site disposal as PCB Bulk Product Waste.

Building materials identified as Excluded PCB Products (those containing < 50 ppm PCBs) were removed for off-site disposal as < 50 ppm PCB wastes and as asbestos waste, when applicable.

A summary of activities including, site preparations and controls, PCB impacted material removals or encapsulations, inspections and verification sample collection and analysis, and material disposal is presented in the following sections.

### 2.1 SITE PREPARATION AND CONTROLS

Prior to initiating the remediation activities, site preparations and controls were implemented as described in Notification. These preparations included the development of a Health & Safety Plan, Contractor Work Plan, and securing access to the active work areas. During work activities the building was either vacant or occupants were temporarily relocated to a portion of the building away from active work. Remediation work was performed at the school during several phases while school was not in session.

For interior renovations, PCB remediation activities were conducted under full negative pressure containments and controls established due to the asbestos abatement requirements. For exterior remediation, controls were established in accordance with the applicable asbestos regulations and included the use of polyethylene sheeting on ground surfaces and on temporary work area boundary walls set up around the perimeter of the 1971 addition walls (typically chain link fences or similar with sheeting attached). During exterior remediation activities, dust was controlled using airless sprayers to provide a misting application during demolition. Perimeter dust monitoring was conducted during portions of the gymnasium wall removals by representatives from EnviroMed Services in coordination with the required asbestos abatement monitoring conducted (additional dust monitoring was conducted at the perimeter of the work areas during the large scale demolition of the gymnasium walls). Occasional sporadic dust readings were observed and attributed to normal construction and traffic activities; however, all sustained dust readings were below the project action level of 0.1 mg/m³. Dust monitoring information is provided in Appendix B.

### 2.2 SAMPLING AND ANALYTICAL METHODS

Verification samples collected in support of the remediation activities described herein were collected in accordance with generally accepted procedures for environmental sampling. Masonry samples were collected consistent with the EPA Region I Standard Operating Procedure for Sampling Porous Surfaces for PCBs (May 2011). Surface wipe samples were collected using hexane-saturated gauze wipes in accordance with the standard wipe test method under 40 CFR 761.123.

Samples were transferred on ice to Con-Test Analytical Laboratory of East Longmeadow, Massachusetts under standard chain of custody procedures. Samples were extracted using USEPA Method 3540C (Soxhlet extraction) and analyzed for PCBs using USEPA Method 8082. Electronic versions of the laboratory analytical packages for the data presented in this section are provided in Appendix C.



### 2.3 REMEDIATION OF ≥ 50 PPM PCB CONTAINING MATERIALS

Three types of materials were identified as containing PCBs at concentrations ≥ 50 ppm and classified as PCB Bulk Product Waste within the 1971 gymnasium area. These materials included waterproofing felt in the gymnasium walls, caulking along six door frames, and caulking within three exterior brick to brick expansion joints.

These three materials were removed as part of the gymnasium removal portion of the renovation project which included the complete removal of the gymnasium addition with the exception of the floor slab and structural steel supports. A description of the remedial activities and verification processes for each of the three materials is presented in the following sections.

### 2.3.1 Gymnasium Doors

Caulking on the interior and exterior metal door frame to the masonry joints was identified as containing PCBs ≥ 50 ppm. All six doors within the gymnasium area were removed during renovation activities. Caulking, door frames, and door components were removed using hand tools for disposal as PCB Bulk Product Waste in accordance with 40 CFR 761.62. Surrounding building materials were managed in one of two ways based on the planned renovation scope of work.

At Doors 1, 3, 4, and 5, the surrounding masonry was removed for off-site disposal with the waterproofing felt in the gymnasium walls as described in Section 2.3.3 below. Masonry on the 1958/1959 sides of Doors 2 and 6 was scheduled to remain in place. In order to remove all residual PCBs > 1 ppm, verification samples were collected from the brick to establish a remediation cut-line location away from the joints (i.e., the extent of PCBs > 1 ppm). A summary of the analytical results is as follows:

- Door 2 One verification sample was collected from the beginning of the second row of brick away from the caulked joint on the interior and exterior side of the door jamb. Analytical results indicated that PCBs were either non-detect (< 0.098 ppm) or present at a concentration of 0.15 ppm.</li>
  - Based on these results, the first row of brick along the interior and exterior caulked joints was removed using electric hammer drills and hand tools for disposal as PCB Bulk Product Waste with the caulking. Brick beyond this point was either left in place or removed for disposal as general demolition debris based on the overall project requirements.
- Door 6 One verification sample was collected from the beginning of the second row of brick away from the caulked joint on the interior and exterior side of the door jamb. Total PCBs were reported at concentrations of 0.29 ppm on exterior brick and at a concentration of 1.2 ppm in interior brick. Based on these results, an additional sample was collected from the beginning of the third row of brick away from the interior joint. Analytical results indicated that PCBs were present at a concentration of 0.14 ppm.
  - Based on these results, the first two rows of brick along interior and exterior sides of the door were removed using electric hammer drills and hand tools for off-site disposal as PCB Bulk Product waste with the caulking. Brick beyond this point was either left in place or removed for disposal as general demolition debris based on the overall project requirements.

The locations of the six doors are depicted on Figure 2-1 and a summary of analytical results are presented on Table 2-1. The complete analytical laboratory reports are included in Appendix C.

### 2.3.2 Gymnasium Exterior Expansion Joints

Caulking within three exterior brick to brick expansion joints was identified as containing ≥ 50 ppm PCBs. Caulking was removed for off-site disposal as PCB Bulk Product Waste along with the walls of the gymnasium as part of the removal of waterproofing felt materials. Based on the complete removal of the walls, verification samples were not collected.



The locations of the former joints are depicted on Figure 2-1.

### 2.3.3 Gymnasium Waterproofing Felt

Waterproofing felt containing ≥ 50 ppm PCBs was identified within the exterior walls of the 1971 gymnasium addition. The EPA and the Fairfield School district entered into a Consent Agreement and Final Order for the temporary in place management of these materials on August 27, 2014 (the date of signature by EPA). However, as described in the January 21, 2015 PCB Remediation Project Status Update, the Town of Fairfield elected to remove the gymnasium walls in their entirety as part of the renovation. Because of the interlocking construction of the exterior brick, waterproofing felt, and interior CMU blocks, all materials were removed as a single waste stream for off-site disposal as PCB Bulk Product Waste. The walls were removed in two phases. The first phase, conducted in January 2015 during the winter break included the removal of walls along the gym office, storage room, and restrooms using manual methods. The second phase was conducted in June 2015 and included the remaining walls of the gymnasium. During the second phase, the walls were removed using an excavator equipped with a bucket located inside the containment area. Following removal of the top courses of brick and CMU block with hand tools, the remainder of the wall was removed with the excavator. An airless sprayer was used to suppress dust during demolition activities. All material was stockpiled on the gymnasium floor, then loaded directly into either dump trailers or roll-off containers for disposal as PCB bulk product waste. The gymnasium flooring was subsequently abated and removed as described in Section 2.4 below.

During demolition activities, it was observed that the waterproofing felt was applied directly to the exterior faces of nine vertical steel beams scheduled to remain in place. Following abatement of the waterproofing from the faces of the beams and asbestos clearance inspections and testing, wipe samples were collected from the vertical face of every third beam to determine if PCB impacts were present on the steel. Analytical results indicated that PCBs were non-detect (<  $0.20~\mu g/100 cm^2$ ) in the three samples. Based on these results, no additional activities were conducted with respect to the steel beams (the steel beams were left in place and used as structural support for the replacement gymnasium).

The locations of the three wipe samples are depicted on Figure 2-1 and a summary of analytical results are presented on Table 2-1. The complete analytical laboratory reports are included in Appendix C.

### 2.4 REMOVAL OF > 1 AND < 50 PPM PCB CONTAINING MATERIALS

Building materials identified as containing PCBs at concentrations > 1 and < 50 ppm within the 1958/1959 portion of the building and the 1971 gymnasium addition were determined by the Town of Fairfield to meet the definition of Excluded PCB Products and therefore, not subject to the requirements of 40 CFR 761. The remediation plan for removal of these materials was included in the original PCB Remediation Plan that was submitted to allow for review and comment by the Connecticut Department of Energy and Environmental Protection (CTDEEP).

Removal and off-site disposal of these materials was conducted in accordance with the PCB Remediation Plan to verify compliance with CTDEEP regulatory requirements and guidance documents for the removal and verification of materials containing PCBs > 1 and < 50 ppm. Following removal, verification inspections and sampling were conducted in accordance with the PCB Remediation Plan.

Removals were conducted under polyethylene containments and controls including negative pressure and HEPA filtration for the majority of the work areas. A description of the removal activities and verification processes for these materials is provided below.

### 2.4.1 Caulking/Sealants

Caulking/sealants associated with windows and doors within the 1958/1959 portion of the building and a ventilation louver on the exterior wall of the gymnasium addition were identified as Excluded PCB Product. A summary of the removal and verification for each is as follows:



- Doors The project included the removal of 28 doors identified as containing caulking with > 1 and < 50 ppm PCBs and asbestos on the frame to masonry joints. Caulking was abated following the applicable asbestos regulations. Door frames and components in direct contact with the caulking/sealants were cleaned to remove all visible caulking/sealant residue and segregated for recycling/disposal as general demolition debris/recyclable material in accordance with the project specifications. Following removal of the caulking and door frames, verification samples were collected from the underlying masonry at a frequency of 1 sample per 5 doors for a total of 6 samples and submitted for PCB analysis. Analytical results indicated that PCBs were non-detect (reporting limits of < 0.10 mg/kg or lower) in the 6 samples collected.</p>
- Windows The project included the removal of 20 windows identified as containing caulking with > 1 and < 50 ppm PCBs and asbestos on the frame to masonry joints. Window frames and components in direct contact with the caulking/sealants were cleaned to remove all visible caulking/sealant residue and segregated for recycling/disposal as general demolition debris/recyclable material in accordance with the project specifications. Following removal of the caulking and window frames, verification samples were collected from the underlying masonry at a frequency of a 1 sample per 5 locations for a total of 6 samples and submitted for PCB analysis (one additional sample was collected due to the sequencing of the removals). Analytical results indicated that PCBs were either non-detect (5 samples with reporting limits of < 0.10 or lower) or present at a concentration of 0.12 mg/kg.</p>
- Ventilation Louver Caulking along a ventilation louver on the exterior of the gym storage room wall was
  identified as containing > 1 and < 50 ppm PCBs. Following the decision to remove the entire gymnasium, the
  louver, caulking source material, and surrounding wall were removed with the gymnasium waterproofing felt
  for disposal. Based on the complete removal of the walls, verification samples were not collected.</li>

The locations of the verification samples are depicted on Figure 2-2. A summary of the verification sampling results is presented on Table 2-2 and the complete laboratory analytical reports are included in Appendix C.

### 2.4.2 Flooring Materials

Flooring materials from within the All Purpose Room (APR) and adjacent stage area of the 1958/59 portion of the building and within the gymnasium and gym storage room were identified as containing > 1 and < 50 ppm PCBs and asbestos. Flooring materials and underlying mastics were removed under negative pressure containments and controls for off-site disposal as ACM with low level PCBs. Following removal and asbestos clearance testing, samples of the underlying slabs were collected and submitted for PCB analysis. Verification samples consisted of two discrete samples from each work area composited into one sample for analysis as follows:

- All Purpose Room/Stage this area was divided into two areas; one composite sample was submitted from each half.
- Gymnasium the area was divided into two areas; one composite sample was submitted from each half.
- Gymnasium Storage Room one composite sample was submitted from this room.

Analytical results indicated that PCBs were non-detect in the five samples analyzed with reporting limits of < 0.098 mg/kg or lower.

The areas represented by each composite sample are depicted on Figures 2-1 and 2-2. A summary of the analytical results is presented on Table 2-2 and the complete analytical laboratory reports are included in Appendix C.

### 2.4.3 Waterproofing Materials

Waterproofing materials within the exterior building wall of the 1958/59 portion of the building scheduled for removal were identified as asbestos and as containing PCBs at concentrations > 1 and < 50 ppm. Waterproofing materials were removed using means and methods and containments and controls as required by the applicable asbestos



regulations. Following removal, visual inspections were conducted to confirm the removals were completed from within the designated removal areas. As per the remediation plan, following removal, verification samples were not collected due to the characterization sampling results of the materials (non-detect at < 0.78 ppm and present at 1.5 ppm). Materials were managed for off-site disposal as ACM and low level PCB waste.

### 2.4.4 Adhesive Material

Glue associated with the tack board in Room 001 and covebase mastic within the gym storage area was identified as asbestos and reported to contain PCBs at concentrations < 50 ppm. Removals were conducted under negative pressure containments and controls established for asbestos abatement activities throughout the building. Following removal, visual inspections were conducted to confirm that residual adhesives were no longer present on the walls. Due to the limited area in question, verification samples of the underlying walls were not collected for PCB analysis. In addition, the walls of the gym storage area were subsequently removed as part of the planned demolition gymnasium addition.

### 2.4.5 Painted Wall Materials

Paint on certain masonry walls scheduled for removal was identified as containing PCBs > 1 and < 50 ppm. Based on these results, paint on walls scheduled to be removed were assumed to contain PCBs > 1 and < 50 ppm. Walls were removed using standard manual and mechanical demolition methods under polyethylene containments (negative pressure controls required for asbestos abatement were also in place during portions of the wall demolition depending on the project sequencing in areas around the building). Following removal, visual inspections were conducted to confirm that wall removal was conducted in those areas required by the project specifications. All walls identified as containing PCBs > 1 and < 50 ppm through analytical testing were removed as part of the renovation project. Remaining walls were coated with a new coat of interior paint as part of the project requirements.



### 3. DATA USABILITY ASSESSMENT

This data quality and data usability assessment has been conducted to review the samples collected in support of the remediation and verification activities. Data validation and review was conducted by Woodard & Curran and a third-party validator, Data Check, Inc. of New Durham, New Hampshire. This review included a check of field documentation including sample collection and preservation methods, a check of the laboratory data and documentation, a review of the internal laboratory QA/QC procedures and results including surrogate recoveries, blank results, matrix spike (MS) and matrix spike duplicate (MSD) results, laboratory control standard (LCS) and laboratory control standard duplicate (LCSD) results, and an evaluation of sample holding times. Data Check's data validation summaries are provided in Appendix C.

A summary of the data usability assessment for the data is presented below:

- All samples were extracted by USEPA Method 3540C (Soxhlet Extraction) and analyzed for PCBs by USEPA Method 8082.
- Consistent procedures and laboratory analysis of the data were achieved. Sample containers were packed
  on ice and delivered to the laboratory under standard chain of custody procedures. All samples were extracted
  and analyzed within allowable holding times for the method.
- Some samples were received at the laboratory outside the acceptable temperature range (4° Celsius +/-2°).
   However, the samples were received at the laboratory directly from sampling and no qualifications have been applied.
- The data packages were reviewed to ensure that all sample and associated quality assurance results were available. Results of the completeness review indicated that all collected samples were analyzed and all quality control results were available to complete the data validation process.
- The RPD between sample column results for individual samples were evaluated to assess the precision of the results. The RPD between sample column results were determined to be within the acceptance criteria (≤ 25 %) with the exception of Aroclor 1254 results in one sample. Analytical results for this sample have been qualified as estimated (J).
- Accuracy of the analytical data was assessed by reviewing the recoveries for MS, MSD, LCS, and LCSD. RPD between MS/MSD samples were outside the acceptance criteria (≤ 50 %) for Aroclor 1016 and 1260 in one sample; however, results were not qualified due to only one recovery was outside the criteria for each Aroclor and the sample results were non-detect. LCS/LCSD recoveries met the acceptance criteria (40 to 140%) and RPD (≤ 30%) with the exception of Aroclor 1260 recoveries in two data sets. No qualifications were applied to the data because sample results were non-detect.
- Accuracy of the analytical data was assessed by reviewing the surrogate recoveries. All surrogate recoveries met acceptance criteria (30 to 150%).
- No analytes were detected in the method blanks analyzed during the sampling events.

Based on this review, the data adequately represents the materials tested, and the samples are considered usable for the purposes of characterizing PCB-affected media and verifying remediation efforts in accordance with 40 CFR Part 761.



### 4. WASTE STORAGE, DISPOSAL, AND EQUIPMENT DECONTAMINATION

Wastes generated during the project were managed for disposal as PCB and asbestos waste (or ACM with low level PCBs). Materials were either directly loaded into trailers (majority of the gymnasium wall materials) or placed into secured, lined, and covered roll-off waste containers for temporary on-site storage in accordance with 40 CFR 761.65. A total of 13 roll-off containers and 6 dump trailers were used to ship the waste materials to the Minerva Landfill in Waynesburg, Ohio. An estimated 250 cubic yards of PCB Bulk Product Waste was generated as part of the gymnasium area demolition and remediation of the ≥ 50 ppm PCB containing materials (i.e., door caulking).

Following use, non-disposable equipment and tools were wiped clean of dirt and debris and decontaminated using a double wipe with d-limonene soaked rags in accordance with 40 CFR 761.79. No free liquids were generated during decontamination. Decontamination materials were managed for off-site disposal with polysheeting, PPE, and other materials. A total of 2.5 tons of these materials were transported in one roll-off container for disposal as < 50 ppm PCB wastes at Waste Management's Turnkey Landfill in Rochester, New Hampshire.

Copies of PCB waste shipment records are provided in Appendix D.



### 5. SUMMARY AND CONCLUSIONS

The PCB remediation activities described in this Report have been completed in accordance with the Notification and the conditions of EPA's Approval. In addition, the waterproofing felt material included in the CAFO between EPA and the Fairfield School District has been removed in its' entirety as described in the PCB Remediation Plan submitted for this material on May 12, 2015.

In summary, the work completed included the removal and off-site disposal of PCB Bulk Product Waste including the demolition and removal of the 1971 gymnasium walls in their entirety to support the removal and off-site disposal of the waterproofing materials located within the walls and the removal of the six doors identified as containing caulking ≥ 50 ppm.

Remediation was also conducted for building materials identified as containing PCBs > 1 and < 50 ppm to comply with CTDEEP regulatory requirements and guidance documents for the removal and verification of materials containing PCBs > 1 and < 50 ppm.

PCB waste materials were shipped off-site to the Minerva Landfill in Waynesburg, Ohio in 13 roll-off containers and 6 dump trailers including 250 cubic yards of PCB Bulk Product Waste associated with the removal and off-site disposal of the gymnasium area waterproofing and door caulking materials and wastes associated with asbestos abatement activities. In addition, 2.5 tons of materials consisting of decontamination materials, polysheeting, used PPE, etc. were shipped off-site in one roll-off container for disposal as < 50 ppm PCB Remediation Waste.

Based on the removal and off-site disposal of the gymnasium walls and that no residual PCBs are present or encapsulated, the long term monitoring and maintenance and deed notice associated with residual PCBs described in the Notification is not warranted. Pursuant to Approval Condition 27, Appendix E includes a certification signed by a Fairfield School District official verifying that the authorized activities were implemented in accordance with the Approval and Notification.

Table 2-1

Summary of Verification Sampling Results - > 50 ppm PCB Containing Materials
Riverfield Elementary School

D P	<b>C A</b>	Sample Information				
Remedia	tion Area	Materials	Sample ID	Sample Date	Total PCBs (mg/kg)	
	Door # 2	1 interior brick	RES-CBB-025	6/11/2015	0.15	
		1 exterior brick	RES-CBB-026	6/11/2015	ND (<0.098)	
Door Caulking	Door # 6	1 interior brick - left vertical	RES-CBB-027	6/11/2015	1.2	
		2 interior brick - left vertical	RES-CBB-030	6/11/2015	0.14	
		1 exterior brick	RES-CBB-020	12/31/2014	0.29	
	Vertical Face of Beams	Beam number 2	RES-CW-031	6/29/2015	< 0.20	
Gymnasium Steel Beams		Beam number 6	RES-CW-032	6/29/2015	< 0.20	
		Beam number 9	RES-CW-033	6/29/2015	< 0.20	

### Notes:

Left and Right vertical based on left and right sides of individual doors as shown on the plan view of Figure 2-1.

Bulk samples were collected in accordance with EPA Region 1 SOP for Sampling Porous Surfaces for PCBs (May 2011). Wipe samples collected in accordance with the standard wipe test methodologies of 40 CFR 761.123.

Total PCBs reported as Aroclor 1254. No other Aroclors reported at concentrations above the minimum laboratory reporting limits.

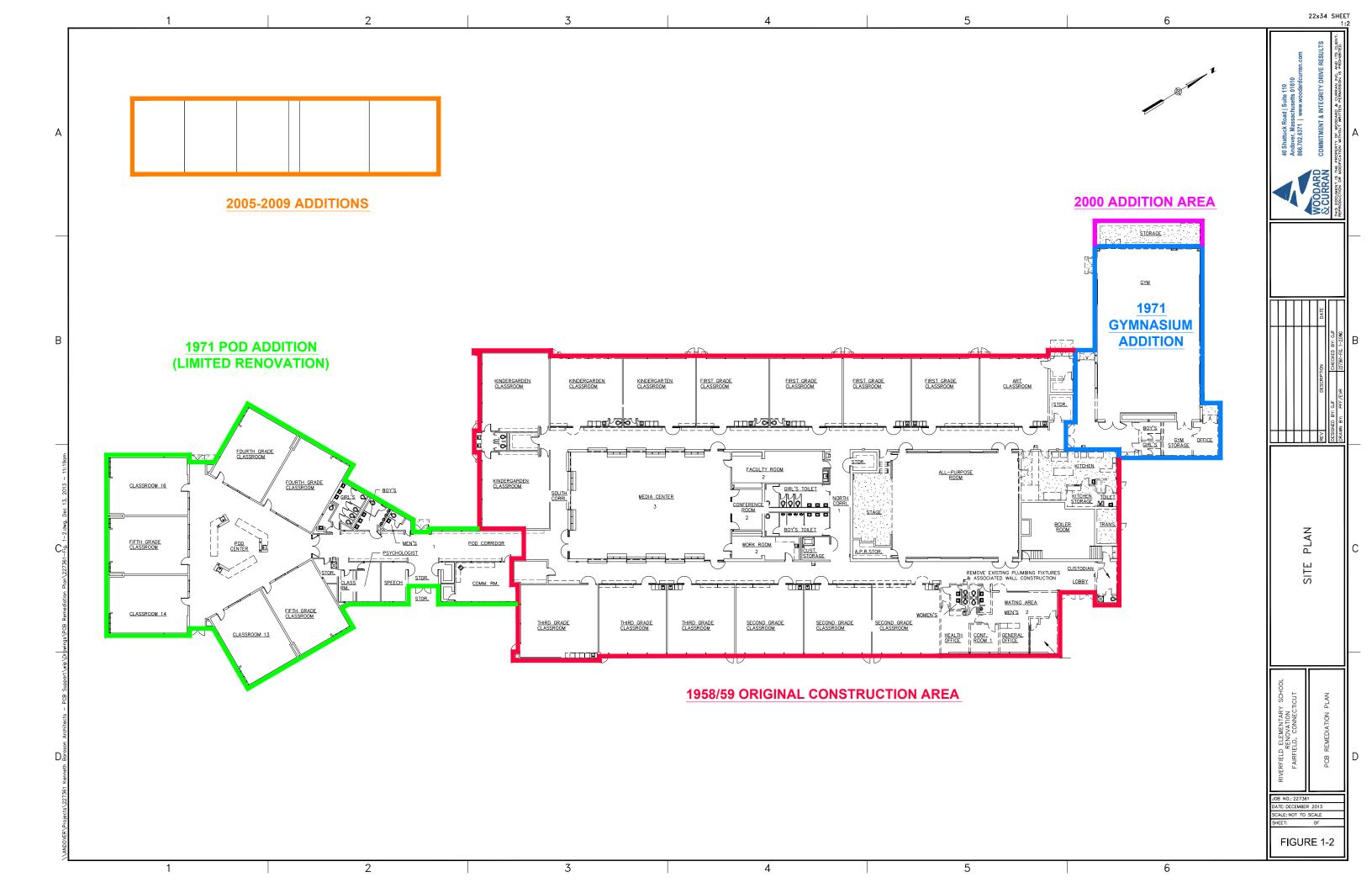
Table 2-2 Summary of Verification Sampling Results - > 1 and < 50 ppm Materials Riverfield Elementary School

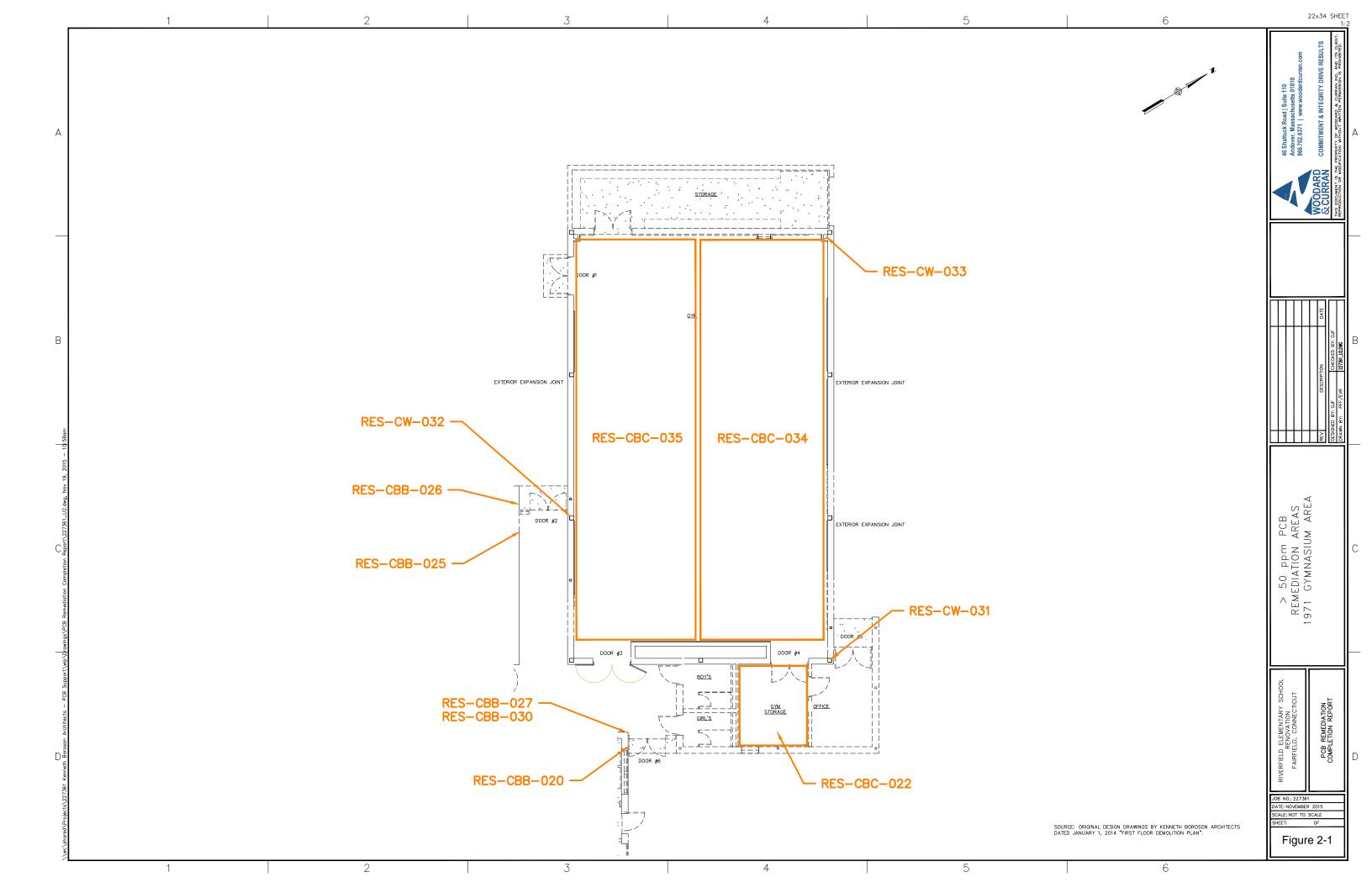
Material Type	Sample Location	Sample Rationale	Sample Frequency	Work Area	Total Number Samples	Sample ID	Sample Date	Total PCBs (mg/kg)
		Samples collected to verify total PCBs ≤ 1 ppm following source material removal	1 per 5 locations (20%)		6	RES-CBB-024	4/17/2015	<0.096
						RES-CBC-036	6/29/2015	<0.10
				Doors		RES-CBB-039	6/30/2015	<0.099
	Former Direct Contact Materials			Doors		RES-CBC-040	7/2/2015	< 0.098
						RES-CBB-041	7/2/2015	< 0.10
Caulking/Sealants						RES-CBB-045	7/22/2015	< 0.10
Caulking/Sealants				Windows	6	RES-CBB-023	4/17/2015	<0.097
						RES-CBC-037	6/29/2015	<0.087
						RES-CBC-038	7/2/2015	<0.098
						RES-CBB-042	7/2/2015	< 0.098
						RES-CBC-043	7/7/2015	< 0.10
						RSE-CBB-044	7/7/2015	0.12 J
	Former Direct Contact Materials	tact Samples collected to verify total PCBs ≤ 1 ppm following source material removal	Variable	All Purpose Room/Stage	2	RES-CBC-045	7/10/2015	< 0.098
						RES-CBC-046	7/10/2015	< 0.094
Flooring Materials				Gymnasium	2	RES-CBC-034	6/29/2015	<0.097
						RES-CBC-035	6/29/2015	<0.097
				Gymnasium Storage Room	1	RES-CBC-022	12/31/2014	< 0.098

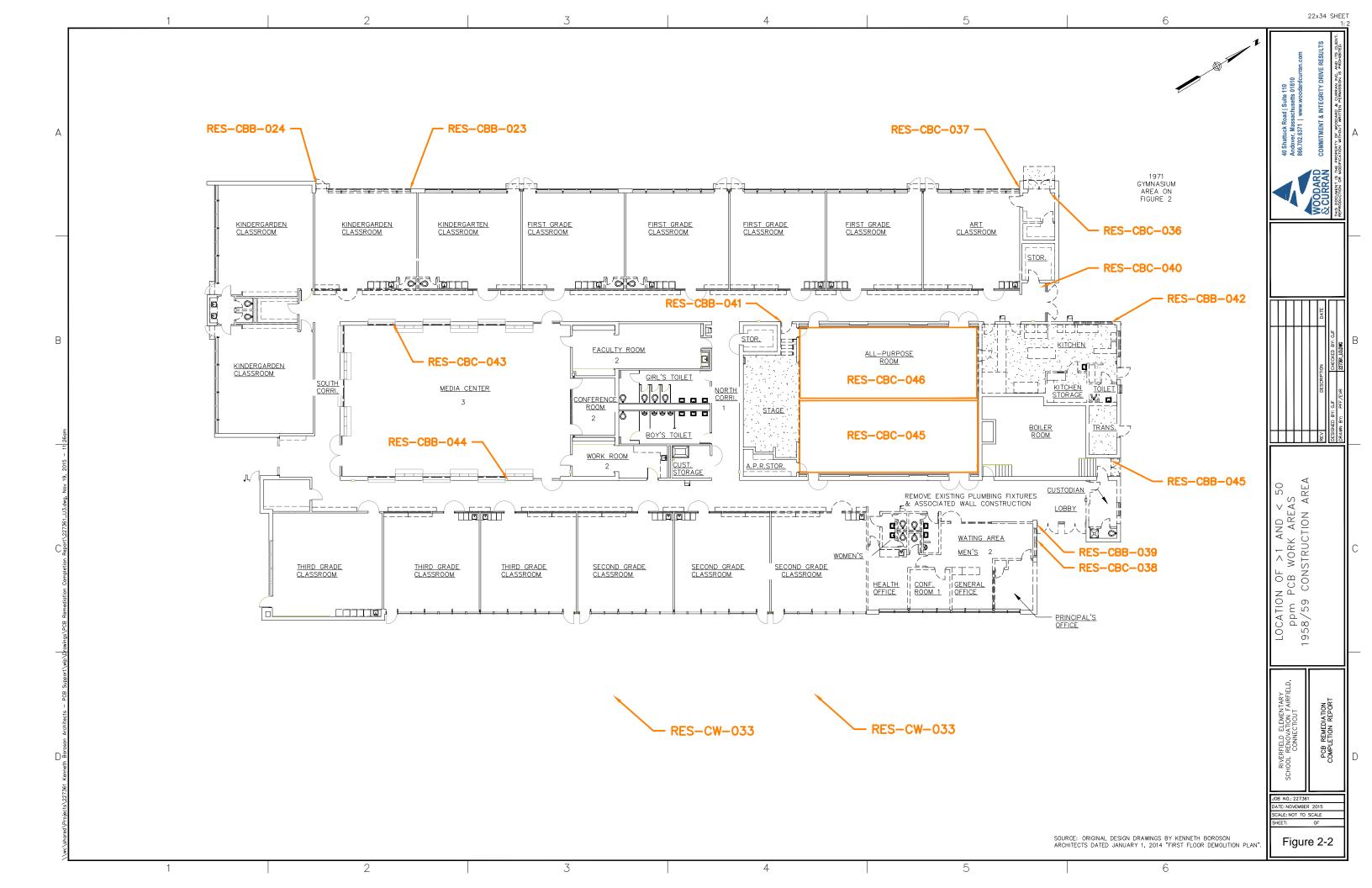
Verification bulk samples collected in accordance with EPA Region 1 SOP for Sampling Porous Surfaces for PCBs (May 2011).

Total PCBs reported as Aroclor 1254. No other Aroclor reported at concentrations above the minimum laboratory reporting limits.

J = Analytical results qualified as estimated based on data validation. See Appendix C for additional information.









# APPENDIX A: EPA APPROVAL



# UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION I 5 POST OFFICE SQUARE, SUITE 100, BOSTON, MASSACHUSETTS 02109-3912

### Certified Mail - Return Receipt Requested

JUL 2 2 2014

Salvatore Morabito
Manager of Construction, Security and Safety
Fairfield School District
501 Kings Highway East
Fairfield, Connecticut 06825

Re:

PCB Cleanup and Risk-Based Disposal Approval under 40 CFR §§ 761.61(a) and (c)

Riverfield Elementary School

1625 Mill Plain Road, Fairfield, Connecticut

Dear Mr. Morabito:

This is in response to the Notification<sup>1</sup> by the Fairfield School District ("Fairfield") for approval of a plan to address PCB-contamination at the Riverfield Elementary School located at 1625 Mill Plain Road in Fairfield, Connecticut, in accordance with the Toxic Substances Control Act ("TSCA"), 15 USC § 2601 *et seq.* Specifically, PCB-contaminated materials (e.g., caulk, waterproofing felt, and associated building substrates) in the 1971 gymnasium addition exceed allowable PCB levels under the PCB regulations at 40 CFR §§ 761.20(a), 761.61, and 761.62.

Fairfield has proposed a plan that includes removal of non-liquid products that have PCB concentrations greater than or equal to ("\geq") 50 parts per million ("ppm"), and removal and/or encapsulation of PCB-contaminated building substrates with PCB concentrations greater than ("\geq") 1 ppm. Fairfield has also proposed in-place interim management of the \geq 50 ppm PCB PCB-contaminated waterproofing felt and associated PCB-contaminated building substrates (i.e., exterior/interior walls that have been in contact with the PCB-contaminated waterproofing felt) located between the exterior walls and interior walls, except in locations where a wall will be disturbed or demolished as part of the expansion/renovation activities.

Information was submitted by Woodard & Curran on behalf of the Fairfield School District to support a PCB cleanup and risk-based disposal approach under 40 CFR §§ 761.61(a) and (c). Information was submitted dated January 7, 2014 (PCB Remediation Plan); March 4, 2014 (Response to EPA questions on PCB Remediation Plan); March 28, 2014 (emails Revised Figure 5-1, gymnasium door plan summary, verification sampling and gym wall removal); May 8, 2014 (email gymnasium door and expansion joint plan summary); May 9, 2014 (emails clarification on removal/encapsulation distance); and May 12, 2014 (emails public outreach information). These submittals shall be referred to as the "Notification."

Fairfield has proposed that products located within the 1958/59 construction area and certain products located within the 1971 gym addition area (i.e., louver caulk, vinyl cove base mastic, vinyl floor glue, and wood floor sealant and glue) containing PCB concentrations at less than ("<") 50 ppm meet the criteria for *excluded PCB products* under § 761.3. Under the PCB regulations, *excluded PCB products* are unregulated for cleanup or disposal. However, Fairfield is proposing to remove and dispose of these products under Connecticut Department of Energy and Environmental Protection ("CTDEEP") requirements as part of the renovation work.

With the exception of certain verification sampling requirements under 40 CFR § 761.61(a)(6) and the encapsulation of PCB-contaminated *porous surfaces*, and the proposed in-place interim management of areas of ≥ 50 ppm PCB waterproofing felt and associated substrates, the proposed plan is consistent with the requirements for removal/disposal of *PCB bulk product waste* under § 761.62 and for cleanup and disposal of *PCB remediation waste* under § 761.61(a). Based on the data provided to date, and the proposed abatement plan, the alternative sampling plan is reasonable for the purpose of determining if the PCB cleanup standard has been met and if encapsulation is necessary. The proposed encapsulation of PCB-contaminated *porous surfaces* should effectively prevent direct exposure of the PCB-contaminated *porous surfaces* to building users provided the physical barriers are maintained. However, the management and eventual disposal of the areas of waterproofing felt and associated substrates that are not proposed to be removed as part of the current project, and that will remain in place between the exterior and interior walls of the gymnasium for an additional period of time, will be addressed under a separate consent agreement and final order under the authority of TSCA and 40 CFR Part 22.

Based on EPA's review of the information provided, the proposed PCB cleanup and disposal work is acceptable and will not pose an unreasonable risk of injury to health or the environment when conducted in accordance with the Notification and this Approval and the conditions of Attachment 1. EPA applies this unreasonable risk standard in accordance with the PCB regulations at 40 CFR §761.61(c) and with Section 6(e) of TSCA, 15 USC § 2605(e).

Fairfield may proceed with its project in accordance with 40 CFR §§ 761.61(a), 761.61(c), 761.62, the Notification, and this Approval, subject to the conditions of Attachment 1. Please be aware that this Approval requires Fairfield to conduct outreach activities for the school community, including parents, students, and the school employees concerning the PCB remediation work. Documentation of the outreach effort shall be submitted to EPA. (Attachment 1, Approval Condition 9).

This Approval may be revoked, suspended and/or modified as described in Attachment 1 if the EPA determines that implementation of this Approval may present an unreasonable risk of injury to health or the environment. Nothing in this Approval is intended or is to be construed to prejudice any right or remedy concerning PCBs or other federally-regulated contaminants at the Site otherwise available to the EPA under Section 6 of TSCA, 15 USC 2605, 40 CFR Part 761, or other provisions of federal law.

EPA is requiring monitoring of indoor conditions under this Approval and the monitoring plan requirements include a community outreach component (see Attachment 1, Condition 20). EPA is reserving its rights to require additional investigation or mitigation measures at the school should the monitoring results indicate an unreasonable risk of injury to school users.

This Approval does not address the waterproofing felt and associated substrates located between the exterior and interior walls of the gymnasium that will not be removed as part of the current renovation project at the school. As noted above, management of certain areas of waterproofing felt and associated substrates that will remain in place until properly disposed of will be addressed under a separate consent agreement and final order. Areas of waterproofing felt and associated substrates between the gymnasium building walls that will be removed under this Approval will be disposed of in accordance with 40 CFR § 761.62.

Questions and correspondence regarding this Approval should be directed to:

Kimberly N. Tisa, PCB Coordinator (OSRR07-2) United States Environmental Protection Agency 5 Post Office Square, Suite 100 Boston, Massachusetts 02109-3912

Telephone: (617) 918-1527 Facsimile: (617) 918-0527

EPA shall not consider this project complete until it has received all submittals required under this Approval. Please be aware that upon EPA receipt and review of the submittals, EPA may request any additional information necessary to establish that the work has been conducted and completed in accordance with 40 CFR Part 761, the Notification, and this Approval.

Sincerely,

James T. Owens, III

Director, Office of Site Remediation & Restoration

cc

J. Hamel, Woodard & Curran

G. Trombly, CTDEEP

B. Toal, CTDPH

File

Attachment 1: PCB Approval Conditions

Attachment 2: Gymnasium Doors Building Materials PCB Remediation Plan Summary

Attachment 3: Figure  $5-1 \ge 50$  ppm PCB Remediation Areas

### ATTACHMENT 1

PCB CLEANUP AND RISK-BASED DISPOSAL APPROVAL CONDITIONS RIVERFIELD ELEMENTARY SCHOOL 1625 MILL PLAIN ROAD FAIRFIELD, CONNECTICUT

### GENERAL CONDITIONS

- 1. This Approval is granted under the authority of Section 6(e) of TSCA, 15 USC. § 2605(e), and the PCB regulations at 40 CFR Part 761, and applies solely to the *PCB bulk product waste* and the *PCB remediation waste* located at the Riverfield Elementary School as identified in the Notification <sup>2</sup> and located in the 1971 gymnasium addition (hereinafter "the Site").
  - a. In the event that the Fairfield School District ("Fairfield") identifies other PCB-contaminated wastes subject to cleanup and disposal under the PCB regulations, Fairfield will be required to notify EPA and clean up the PCB-contaminated wastes in accordance with 40 CFR Part 761.
  - b. Fairfield may submit a separate plan to address the PCB contamination or may modify the Notification to incorporate cleanup of the PCBs under this Approval in accordance with Condition 21.
- 2. Fairfield shall conduct on-site activities in accordance with the conditions of this Approval and with the Notification.
- 3. In the event that the plan and activities described in the Notification differ from the conditions specified in this Approval, the conditions of this Approval shall govern. The terms and abbreviations used herein shall have the meanings as defined in 40 CFR § 761.3 unless otherwise defined within this Approval.
- 4. Fairfield shall be responsible for the actions of all officers, employees, agents, contractors, subcontractors, and others who are involved in PCB maintenance, abatement, or remedial activities conducted at the Site. If at any time Fairfield has or receives information indicating that Fairfield or any other person has failed, or may have failed, to comply with any provision of this Approval or the federal PCB regulations under 40 CFR Part 761, it shall report the information to EPA in writing within 24 hours of having or receiving the information.

Information was submitted by Woodard & Curran on behalf of the Fairfield School District to support a PCB cleanup and risk-based disposal approach under 40 CFR §§ 761.61(a) and (c). Information was submitted dated January 7, 2014 (PCB Remediation Plan); March 4, 2014 (Response to EPA questions on PCB Remediation Plan); March 28, 2014 (emails Revised Figure 5-1, gymnasium door plan summary, verification sampling and gym wall removal); May 8, 2014 (email gymnasium door and expansion joint plan summary); May 9, 2014 (emails clarification on removal/encapsulation distance); and May 12, 2014 (email public outreach information). These submittals shall be referred to as the "Notification".

- 5. This Approval does not: 1) waive or compromise EPA's enforcement and regulatory authority; 2) release Fairfield from compliance with any applicable requirements of federal, state or local law; or 3) release Fairfield from liability for, or otherwise resolve any violations of federal, state or local law.
- 6. Fairfield shall comply with all applicable federal, state and local regulations in the storage, handling, and disposal of all PCB wastes, including PCBs, PCB Items and decontamination wastes that may be generated at the Site during renovation or maintenance activities while this Approval is in force. In the event of a new spill or release of PCBs during maintenance, renovation, abatement, or remedial activities, Fairfield shall contact EPA within 24 hours for direction on PCB cleanup and sampling requirements.
- 7. Failure to comply with the Approval conditions specified herein shall constitute a violation of the requirement in § 761.50(a) to store or dispose of PCB waste in accordance with 40 CFR Part 761, Subpart D.

### **NOTIFICATION AND CERTIFICATION CONDITIONS**

- This Approval may be revoked if the EPA does not receive written notification from Fairfield of its acceptance of the conditions of this Approval within 10 business days of receipt.
- 9. Fairfield shall conduct outreach activities for the school community, to include students, parents, and school employee on the PCB remediation work. Fairfield shall submit information on its outreach activities within 30 days of receipt of this Approval.
- 10. Prior to initiating onsite PCB work at the school under this Approval, Fairfield shall submit the following information for EPA review and/or approval:
  - a certification signed by its selected contractor, stating that the contractor(s) has read and understands the Notification, and agrees to abide by the conditions specified in this Approval;
  - b. a contractor work plan, prepared and submitted by the selected contractor(s), detailing the procedures that will be employed for removal of PCB-contaminated materials, for containment design, and for air monitoring during cleanup, removal, and handling of PCB-containing materials. This work plan should also include information on waste storage, handling, and disposal for each waste stream type and for equipment decontamination; and,
  - c. a certification signed by the selected analytical laboratory, stating that the laboratory has read and understands the extraction and analytical methods and quality assurance requirements specified in the Notification and in this Approval.

### CLEANUP AND DISPOSAL CONDITIONS

- 11. To the maximum extent practical, engineering controls, such as barriers, and removal techniques, such as the use of HEPA ventilated tools or construction of a negative air containment system with a HEPA ventilation system to control emissions, shall be utilized during removal processes. In addition, to the maximum extent possible, disposable equipment and materials, including PPE, will be used to reduce the amount of decontamination necessary.
- 12. All visible residues of PCB-contaminated caulk (i.e., *PCB bulk product waste*) shall be removed and associated *porous surfaces* shall be removed or encapsulated as described in the Notification and as detailed on Attachments 2 and 3.
  - a. All post-decontamination verification sampling of *porous surfaces* shall be performed on a bulk basis (i.e., mg/kg). Samples shall be collected in accordance with the EPA Region 1 Standard Operating Procedure for Sampling Porous Surfaces for Polychlorinated Biphenyls (PCBs) Revision 4, May 5, 2011, at a maximum sampling depth interval of 0.5 inches and at the frequency detailed in the Notification and shown on Attachment 2.
  - b. Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846; and, chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another extraction/analytical method(s) is validated according to Subpart Q.
- 13. Fairfield shall conduct initial post-abatement indoor air sampling and surface wipe sampling for encapsulated *porous surfaces* for PCBs to determine the effectiveness of the encapsulation.
  - Initial post-abatement sampling
    - Indoor air sampling shall be conducted in accordance with EPA Method TO-4A or TO-10A. Sufficient sample volumes shall be collected to provide a minimum laboratory reporting limit of less than ("<") 0.05 μg/m³ for total PCBs. PCB analysis shall be conducted for PCB homologues and/or PCB congeners by EPA Method 680, EPA Method 1668 or an equivalent method.</li>
    - ii) Surface wipe samples (e.g., encapsulated CMU and brick) shall be collected on a surface area basis by the standard wipe test as specified in 40 CFR § 761.123 (i.e. µg/100 cm²). Chemical extraction for PCBs shall be conducted using Methods 3500B/3540C of SW-846 and chemical analysis for PCBs shall be conducted using Method 8082 of SW-846, unless another method(s) is validated according to Subpart O.

- iii) In the event that the PCB concentration in a wipe sample result or air sample result is greater than (">") 1  $\mu$ g/100 cm² or > 0.10  $\mu$ g/m³, respectively, Fairfield shall contact EPA for further discussion and direction on alternatives, which may include development of a site-specific risk exposure assessment or initiation of additional measures and/or removal and disposal of PCBs.
- b. Fairfield shall submit a long-term monitoring and maintenance plan ("MMP") for indoor air and encapsulated surfaces to monitor the long-term effectiveness of the encapsulants. (See Condition 20).
- 14. All PCB waste (regardless of concentration) generated as a result of any activity that disturbs PCB-contaminated materials at the Site, including but not limited to maintenance, renovation, abatement, or remedial activities, shall be marked in accordance with 40 CFR § 761.40; stored in a manner prescribed in 40 CFR § 761.65; and, disposed of in accordance with 40 CFR § 761.61 or § 761.62, unless otherwise specified below:
  - Decontamination wastes and residues shall be disposed of in accordance with 40 CFR § 761.79(g).
  - b. Moveable equipment, tools, and sampling equipment shall be decontaminated in accordance with either 40 CFR § 761.79(b)(3)(i)(A), § 761.79(b)(3)(ii)(A), or § 761.79(c)(2).
  - c. PCB-contaminated water generated during decontamination shall be decontaminated in accordance with 40 CFR § 761.79(b)(1) or disposed of under 40 CFR § 761.60.

### DEED RESTRICTION AND USE CONDITIONS

- 15. Within sixty (60) days of completing the activities described in the Notification and authorized under this Approval, Fairfield shall submit for EPA review and approval, a draft deed restriction for the Site. The deed restriction shall include:
  - a description of the extent and levels of contamination at the Site following cleanup and removal of PCB-containing materials;
  - b. a description of the actions taken at the Site and of the use restrictions for the Site, as applicable, and a figure identifying the locations of encapsulated surfaces;
  - c. the monitoring requirements for indoor air and encapsulated surfaces, which may be addressed by the MMP (see Condition 20); and,

d. within seven (7) days of receipt of EPA's approval of the draft deed restriction, Fairfield shall record the deed restriction. A copy of this Approval shall be attached to the deed restriction.

### SALE, LEASE, OR TRANSFER CONDITIONS

- 16. The Site owner shall notify the EPA of the sale, lease or grant of any real estate interest in the Site, in writing, no later than sixty (60) days prior to such action. This notification shall include the name, address, and telephone number of the new owner(s). In the event that the Site owner sells, leases, or grants any real estate interest affecting a portion of the Site, the Site Owner shall continue to be bound by all the terms and conditions of this Approval, unless EPA allocates some or all of this Approval's responsibilities to the new owner(s), lessee or grantee. The notification procedures are as follows:
  - a. The new owner(s), lessee or grantee must request, in writing, that the EPA transfer some or all obligations and responsibilities under the Approval to the new owner(s), lessee or grantee;
  - The EPA reviews the request, and determines whether to allocate some or all of the obligations and responsibilities under the Approval to the new owner(s), lessee, or grantee; and,
  - c. The new owner(s), lessee or grantee provides written notification to the EPA of its acceptance of and intention to comply with the terms and conditions of the Approval or new approval, should EPA deem a new approval is necessary. The Approval or new approval may be withdrawn if the EPA does not receive written notification from the new owner(s), lessee or grantee of its acceptance of, and intention to comply with, the terms and conditions of the Approval or new approval within thirty (30) days of its receipt of the Approval or the new approval. Under such circumstances, all terms and conditions of this Approval will continue to be binding on the Site owner.
- 17. In the event that the sale, lease or grant of a real estate interest in the Site will involve or result in a change in the use of the Site, EPA may revoke, suspend, and/or modify this Approval or the new approval if it finds, due to the change in use, that this cleanup and disposal action will not be protective of health or the environment. The new owner or grantee shall record any amendment to the deed restriction, resulting from any approved modification(s), within sixty (60) days of such change(s).
- 18. In any sale, lease or grant of a real estate interest in the Site, the Site owner shall retain sufficient access rights to enable it to continue to meet its obligations under this Approval, except as provided above.

19. In the event that Fairfield sells, leases, or transfers any portion of the school where the waterproofing felt remains in-place, Fairfield and/or the new owner shall be required to develop a plan to address the waterproofing felt in accordance with 40 CFR § 761.61 and § 761.62.

# INSPECTION, MODIFICATION AND REVOCATION CONDITIONS

- 20. Within sixty (60) days of receipt of this Approval, Fairfield shall submit for EPA review and approval, and thereafter implement, a long-term MMP for indoor air and for encapsulated surfaces that includes the following:
  - a description of the indoor sampling activities that will be conducted, including sampling protocols, sampling frequency, and analytical criteria and, reporting requirements.
  - a communications component which details how the monitoring results will be communicated to the school users, other on-site workers, and interested stakeholders.
  - c. submission of monitoring results to EPA. Based on its review of the monitoring results, EPA may determine that modification to the MMP is necessary in order to monitor and/or evaluate the long-term effectiveness of the coatings and/or other barriers.
  - continuation of activities required under the MMP until EPA determines, in writing, that such activities are no longer necessary.
- 21. Any modification(s) in the plan, specifications, or information submitted by Fairfield, contained in the Notification, and forming the basis upon which this Approval has been issued, must receive prior written approval from the EPA. No action may be taken to implement any such modification unless the EPA has approved of the modification, in writing. The EPA may request additional information in order to determine whether to approve the modification. If such modification involves a change in the use of the school which results in exposures not considered in the Notification, the EPA may revoke, suspend, and/or modify this Approval upon finding that this cleanup and risk-based disposal approval may pose an unreasonable risk of injury to health or the environment due to the change in use. EPA may take similar action if the EPA does not receive requested information needed from Fairfield to make a determination regarding potential risk.
- 22. Any departure from the conditions of this Approval without prior, written authorization from the EPA may result in the revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.

- 23. Any misrepresentation or omission of any material fact in the Notification or in any future records or reports may result in the EPA's revocation, suspension and/or modification of the Approval, in addition to any other legal or equitable relief or remedy the EPA may choose to pursue.
- Approval for these activities may be revoked, modified or otherwise altered: if EPA finds a violation of the conditions of this Approval or of 40 CFR Part 761, including EPA's PCB Spill Cleanup Policy, or other applicable rules and regulations; if EPA finds that these activities pose an unreasonable risk of injury to health or the environment; or if EPA finds that changes are necessary to comply with new rules, standards, or guidance. Fairfield may apply for appropriate modifications in the event new rules, standards, or guidance comes into effect.
- 25. Fairfield shall allow any authorized representative of the Administrator of the EPA to inspect the Site and to inspect records and take samples as may be necessary to determine compliance with the PCB regulations and this Approval. Any refusal by Fairfield to allow such an inspection (as authorized by Section 11 of TSCA) shall be grounds for revocation of this Approval.

## RECORDKEEPING AND REPORTING CONDITIONS

- 26. Fairfield shall prepare and maintain all records and documents required by 40 CFR Part 761, including but not limited to the records required under Subparts J and K. A written record of the cleanup measures and the analytical sampling shall be established and maintained by Fairfield in one centralized location, until such time as EPA approves in writing a request for an alternative disposition of such records. All records shall be made available for inspection to authorized representatives of EPA.
- 27. Fairfield shall submit a Final Completion Report ("Report") to the EPA within 120 days of completion of the activities described in the Notification and authorized under this Approval. At a minimum, the Report shall include: a discussion of the project activities; characterization and confirmation sampling analytical results; copies of the accompanying analytical chains of custody; field and laboratory quality control/quality assurance checks; an estimate of the quantity of PCBs removed and disposed off-site; copies of manifests; and, copies of certificates of disposal or similar certifications issued by the disposer, if applicable. The Report shall also include a copy of the recorded deed restriction and a certification signed by a Fairfield official verifying that the authorized activities have been implemented in accordance with this Approval and the Notification.
- 28. As required under Condition 20 of this Approval, Fairfield shall submit the results of the long-term monitoring and maintenance activities to EPA as specified in the final MMP to be approved by EPA.

29. Required submittals shall be mailed to:

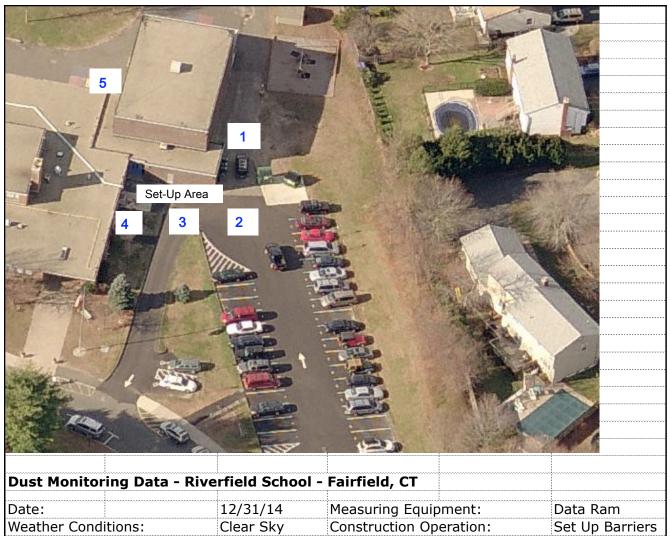
Kimberly N. Tisa, PCB Coordinator (OSRR07-2) United States Environmental Protection Agency 5 Post Office Square, Suite 100 Boston, Massachusetts 02109-3912 Telephone: (617) 918-1527

Facsimile: (617) 918-1527

30. No record, report or communication required under this Approval shall qualify as a self-audit or voluntary disclosure under EPA audit, self-disclosure or penalty policies.



# APPENDIX B: DUST MONITORING LOGS



	† · · · · · · · · · · · · · · · · · · ·	7	·		·	
Date:		12/31/14	Measuring Equipment:		Data Ram	
Weather Conditions:		Clear Sky	Construction Operation:		Set Up Barriers	
Dust Reading		<b>Dust Reading</b>	<b>Dust Reading</b>	<b>Dust Reading</b>	Dust Reading	
	Location 1	Location 2	Location 3	Location 4	Location 5	
<u>Time</u>	(mg/m³)	(mg/m³)	(mg/m³)	(mg/m³)	(mg/m³)	
8:10 AM	0.000	0.000	0.000	0.043	0.002	
10:00 AM	0.000	0.000	0.000	0.000	0.000	
12:00 NOON	0.000	0.000	0.000	0.000	0.000	
4:00 PM	0.000	0.000	0.000	0.000	0.000	



t .	1	1	i i	i contract of the contract of	1	
Dust Monito	oring Data - Rive	erfield School -	Fairfield, CT			
Date:		1/3/15	5 Measuring Equipment:		Data Ram	
Weather Cond	Weather Conditions:		Construction Operation:		Demo Ext Wall	
Dust Reading		<b>Dust Reading</b>	<b>Dust Reading</b>	<b>Dust Reading</b>	<b>Dust Reading</b>	
	Location 1	Location 2	Location 3	Location 4	Location 5	
<u>Time</u>	(mg/m³)	(mg/m³)	(mg/m³)	(mg/m³)	(mg/m³)	
7:15 AM	0.000	0.027	0.011	0.015	0.004	
8:15 AM	0.000	0.000	0.028	0.003	0.015	
9:15 AM	0.000	0.000	0.000	0.000	0.000	
10:15 AM	0.000	0.000	0.000	0.000	0.000	
11:15 AM	0.000	0.000	0.000	0.000	0.000	
12:15 PM	0.000	0.000	0.000	0.000	0.001	



		)	· ·	1	1	
Dust Monito	oring Data - Rive	erfield School -	Fairfield, CT			
Date:		1/2/15	Measuring Equipment:		Data Ram	
Weather Cond	ditions:	Clear Sky	Construction Operation:		Demo Ext Wall	
Dust Reading Location 1		<b>Dust Reading</b>	<b>Dust Reading</b>	<b>Dust Reading</b>	Dust Reading Location 5	
		Location 2	Location 3	Location 4		
<u>Time</u>	(mg/m³)	(mg/m³)	(mg/m³)	(mg/m³)	(mg/m³)	
8:15 AM	0.041	0.038	0.014	0.011	0.009	
10:10 AM	0.009	0.014	0.013	0.016	0.003	
11:45 AM	0.018	0.019	0.012	0.012	0.010	
1:35 PM	0.022	0.018	0.018	0.014	0.008	
2:45 PM	0.017	0.012	0.012	0.004	0.004	



# APPENDIX C: ANALYTICAL LABORATORY REPORTS AND DATA VALIDATION SUMMARIES



January 12, 2015

Jeff Hamel Woodard & Curran - Andover, MA 40 Shattuck Road., Suite 110 Andover, MA 01810

Project Location: Riverfield School

Client Job Number: Project Number: 227361

Laboratory Work Order Number: 15A0032

Meghan S. Kelley

Enclosed are results of analyses for samples received by the laboratory on January 5, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley Project Manager

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Woodard & Curran - Andover, MA 40 Shattuck Road., Suite 110 Andover, MA 01810 ATTN: Jeff Hamel

REPORT DATE: 1/12/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 227361

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15A0032

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

PROJECT LOCATION: Riverfield School

FIELD SAMPLE # LAB ID: MATRIX SAMPLE DESCRIPTION TEST SUB LAB

RES-CBC-022 15A0032-01 Product/Solid SW-846 8082A



#### CASE NARRATIVE SUMMARY

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

 $The \ results \ of \ analyses \ reported \ only \ relate \ to \ samples \ submitted \ to \ the \ Con-Test \ Analytical \ Laboratory \ for \ testing.$ 

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

Johanna K. Harrington

Manager, Laboratory Reporting



Project Location: Riverfield School Sample Description: Work Order: 15A0032

Date Received: 1/5/2015

Field Sample #: RES-CBC-022

Sampled: 12/31/2014 09:00

Sample ID: 15A0032-01
Sample Matrix: Product/Solid

Polychlorinated	Binhenvls with	3540 Soxhlet Extraction	

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:01	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:01	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:01	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:01	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:01	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:01	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:01	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:01	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:01	JMB
Surrogates		% Recovery	Recovery Limits	1	Flag/Qual				
Decachlorobiphenyl [1]		82.8	30-150					1/6/15 21:01	
Decachlorobiphenyl [2]		93.3	30-150					1/6/15 21:01	
Tetrachloro-m-xylene [1]		79.5	30-150					1/6/15 21:01	
Tetrachloro-m-xylene [2]		86.1	30-150					1/6/15 21:01	



#### **Sample Extraction Data**

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15A0032-01 [RES-CBC-022]	B112940	2.04	10.0	01/05/15



#### QUALITY CONTROL

Spike

Source

%REC

RPD

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B112940 - SW-846 3540C										
Blank (B112940-BLK1)				Prepared: 01	/05/15 Anal	yzed: 01/06/1	15			
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	0.867		mg/Kg	1.00		86.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.989		mg/Kg	1.00		98.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.835		mg/Kg	1.00		83.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.936		mg/Kg	1.00		93.6	30-150			
LCS (B112940-BS1)				Prepared: 01	/05/15 Anal	yzed: 01/06/1	15			
Aroclor-1016	0.24	0.10	mg/Kg	0.250		96.7	40-140			
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		97.4	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		108	40-140			
Surrogate: Decachlorobiphenyl	0.957		mg/Kg	1.00		95.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.08		mg/Kg	1.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.866		mg/Kg	1.00		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.985		mg/Kg	1.00		98.5	30-150			
LCS Dup (B112940-BSD1)				Prepared: 01	/05/15 Anal	yzed: 01/06/1	15			
Aroclor-1016	0.25	0.10	mg/Kg	0.250		98.7	40-140	2.04	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		99.9	40-140	2.52	30	
Aroclor-1260	0.27	0.10	mg/Kg	0.250		107	40-140	0.123	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		106	40-140	1.71	30	
Surrogate: Decachlorobiphenyl	0.923		mg/Kg	1.00		92.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.854		mg/Kg	1.00		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.965		mg/Kg	1.00		96.5	30-150			



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS		

SW-846 8082A

Lab Sample ID:	B112940-BS1		Date(s) Analyzed:	01/06/2015	01/06	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL RT		RT WINDOW		CONCENTRATION	%D
ANACTIC	JOE	111	FROM			700
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.24	1
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.27	1



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS	Dup	

SW-846 8082A

Lab Sample ID:	B112940-BSD1		Date(s) Analyzed:	01/06/2015	01/06/	2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.10/12112	002	111	FROM TO		OONOLIVITUUTOIV	700
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.25	1
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.27	1



#### 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.

No results have been blank subtracted unless specified in the case narrative section.



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Aroclor-1260 [2C]

Certifications Analyte SW-846 8082A in Product/Solid Aroclor-1016 CT,NH,NY,ME,NC,VA,NJ Aroclor-1016 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 [2C]  $CT,\!NH,\!NY,\!ME,\!NC,\!VA,\!NJ$ Aroclor-1232 CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 CT,NH,NY,ME,NC,VA,NJ

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

CT,NH,NY,ME,NC,VA,NJ

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® Phone: 413-525-2332	Fax: 413-525-6405
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HAIN OF CUSTODY RECORD (5A0032

East longmeadow, MA 01028 39 Spruce Street

Table of Contents B = Sodium bisulfate WBE/DBE Certified DW= drinking water \*\*\*Container Code Dissolved Metals GW= groundwater WW= wastewater NELAC & AIHA-LAP, LLC T = Na thiosulfate O Field Filtered X = Na hydroxide # of Containers \*\* Preservation O Lab to Filter S = Sulfuric Acid \*\*\*Cont. Code: \*\*Preservation 0 = Other Hexane A=amber glass \*Matrix Code: N = Nitric Acid M = Methanol S=summa can T=tedlar bag S = soil/solid URNAROUND 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 SL = sludge PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT ST=sterile 0 = other P=plastic 0=Other G=glass V= vial O MA State DW Form Required PWSID# Please use the following codes to let Con-Test know if a specific sample Is your project MCP or RCP? H - High; M - Medium; L - Low; C - Clean; U - Unknown may be high in concentration in Matrix/Conc. Code Box: ANALYSIS REQUESTED MCP Form RequiredRCP Form Required HOPD **Detection Limit Requirements** дхә 8085/3240C 20xyJet **b**CBa G jhamel@woodardcurran.com, etc Conc Code  $\supset$ RL <= 1 ppm NCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. O "Enhanced Data Package" Composite Grab Lode Telephone: 1-800-675-2756 DATA DELIVERY (check all that apply EXCEL <= 1 ppm PCBs via USEPA 8082 w/ Soxhlet Extraction (3540c). Massachusetts: Connecticut: 227361 O OTHER Other: ● PDF Date/Time: Differ to 4-200 Client PO# Project # Date/Time Ending 900 O FAX Format: Turnaround <sup>†</sup> Email: 10-Day Fax# Other ☐ <sup>†</sup>24-Hr ☐ <sup>†</sup>48-Hr ection 7-Day Email: info@contestlabs.com RUSH † 12/31/14 www.contestlabs.com Beginning Date/Time J. Hamel, G. Franklin, G. Reynolds Client Sample ID / Description Date/Time: Date/Time: Date/Time: 40 Shattock Road, Suite 110 RES-CBC-022 ANALYTICAL LABORATORY Project Proposal Provided? (for billing purposes) Company Name: Woodard & Curran Project Location: Riverfield School Andover, MA G. Reynolds quished by: (signature) nquished by: (signature) eived by: (signature) Con-Test Lab ID Sampled By: Attention: Address: ments: Contest 15A0032

#### 39 Spruce St.

East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405 www.contestlabs.com



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# Sample Receipt Checklist

CLIENT NAME: Woodase	- Custen	- KECEIVED BA:	VV.) DATE.	113113
1) Was the chain(s) of custody re	linguished and sig	ned?	(Yes) No No C	oC Included
2) Does the chain agree with the			(Yes No	
If not, explain:	Samples:			
<ol><li>Are all the samples in good co</li></ol>	indition?		(Yes) No	
If not, explain:				
4) How were the samples receive	ed:		<b>\</b>	
On Ice Direct from Sa	ampling $\square$	Ambient	In Cooler(s)	
Were the samples received in Te	mperature Complia	nce of (2-6°C)?	Yes No N/A	0
Temperature °C by Temp blank		_Temperature °C !	by Temp gun 5.	9.2
5) Are there Dissolved samples			Yes No	
Who was notified				
6) Are there any RUSH or SHOR	T HOLDING TIME S	amples?	Yes No	
Who was notified				
		Pern	nission to subcontract :	samples? Yes No
7) Location where samples are stor	ed:	/ 9' (Wal	lk-in clients only) if not	already approved
7) Location where samples are sto.	-	Clier	nt Signature:	
a) B . IIles have the prop	er Acid pH: Yes	No NA		
8) Do all samples have the prop		$\sim$		<del></del>
9) Do all samples have the prop	er Base pH: Yes	No NA	1 3.7 3.7	
10) Was the PC notified of any d	iscrepancies with t	he CoC vs the sar	nples: Yes No	NAS-
C	ontainers re	ceived at C	on-Test	
	# of containers			# of containers
1 Liter Amber		8 02	z amber/clear jar	
500 mL Amber		4 02	z amber clear jar	V
250 mL Amber (8oz amber)		2 0	z amber/clear jar	
1 Liter Plastic		Pla	astic Bag / Ziploc	
500 mL Plastic			SOC Kit	
250 mL plastic			ConTest Container	
40 mL Vial - type listed below			Perchlorate Kit	
Colisure / bacteria bottle		- 1980/95/	lashpoint bottle	
Dissolved Oxygen bottle			Other glass jar	
Encore			Other	
Laboratory Comments:				
40 mL vials: # HCl	# M	ethanol	Time	e and Date Frozen:
Doc# 277 # Bisulfate	# D	l Water		
Rev. 4 August 2013 # Thiosulfat	e Unp	oreserved		

### Page 2 of 2

### Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy) Any False statement will be brought to the attention of Client Answer (True/False)

	Ally Faise Statement will b	Answer (True/False)	<u>Comment</u>
<u>Question</u>		T/F/NA	
1) The cooler's custody se	eal, if present, is intact.	1	
2) The cooler or samples	do not appear to have	1	
been compromised or tan	npered with.		
3) Samples were received	d on ice.	1	
4) Cooler Temperature is	acceptable.		
5) Cooler Temperature is	recorded.	T	
6) COC is filled out in ink		T	
7) COC is filled out with a	all pertinent information.		
8) Field Sampler's name		T	
9) There are no discrepa sample IDs on the conta	ncies between the	T	
10) Samples are received		1	
11) Sample containers h		+	
12) Containers are not b		1	
13) Air Cassettes are no	ot broken/open.	NA	
14) Sample collection d		1	
15) Appropriate sample		1	
16) Proper collection m		+	
	ple bottles are completely filled	d. MA	
18) There is sufficient \		+	
19) Trip blanks provide		+	
	do not have head space or	M	
	quire solitting or compositing	Taba atatamanta?	Date/Time:
Doc #277 Rev. 4 Aug	who notified of	False statements? an Initials:	Date/Time:

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# REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

abore	atory Name:	Con-Test Analytical Laboratory	Client: Woodard & Curra	n - Andover, MA			
rojec	t Location:	Riverfield School	Project Number: 15A0032				
abora	atory Sample I	(D(s):	Sample Date(s):				
5A00	032-01		12/31/2014				
	CP Methods U	sed:					
W-846 8	8082A						
1	performance cri	ical method referenced in this laboratory report package, teria followed, including the requirement to explain any elines, as specified in the CTDEP method-specific Reaso	criteria falling outside of	✓ Yes No			
1A	Were the metho	d specified preservation and holding time requirements i	met?	✓ Yes No			
1B		Methods only: Was the VPH and EPH method conducte see Section 11.3 of respective RCP methods)?	d without significant	Yes No			
2	-	es received by the laboratory in a condition consistent win-of-custody document(s)?	th that described on the	✓ Yes  No			
3	Were samples re	eccived at an appropriate temperature (< 6 degrees C.)?		Yes No			
4	Were all QA/Q0 documents achi	C performance criteria specified in the CTDEP Reasonabeved?	ole Confidence Protocol	✓ Yes			
5A	Were reporting	limits specified or referenced on the chain-of-custody?		✓ Yes No			
5B	Were these repo	rting limits met?		✓ Yes  No			
6	all constituents	ical method referenced in this laboratory report package, identified in the method-specific analyte lists presented tocol documents?	•	✓ Yes  No			
7	Are project-spe	cific matrix spikes and laboratory duplicates included in	this data set?	Yes No			
must l	be provided in an a the requirements for	to which the response was "No" (with the exception of attached narrative. If the answer to question #1, #1A, or or "Reasonable Confidence." tered and all questions must be answered.	-				
and con	belief and ba	d, attest under the pains and penalties of posed upon my personal inquiry of those respansive analytical report, such information is accurate.	ponsible for providing the informati	-			
Priı	nted Name: <u>Jo</u>	ohanna K. Harrington	Date: <u>01/12/15</u>				

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

January 12, 2015

Jeff Hamel Woodard & Curran - Andover, MA 40 Shattuck Road., Suite 110 Andover, MA 01810

Project Location: Riverfield School

Client Job Number: Project Number: 227361

Laboratory Work Order Number: 15A0034

Meghan S. Kelley

Enclosed are results of analyses for samples received by the laboratory on January 5, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley Project Manager

### **Table of Contents**

Sample Summary	3
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Woodard & Curran - Andover, MA 40 Shattuck Road., Suite 110 Andover, MA 01810 ATTN: Jeff Hamel

REPORT DATE: 1/12/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 227361

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15A0034

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

PROJECT LOCATION: Riverfield School

FIELD SAMPLE # LAB ID: MATRIX SAMPLE DESCRIPTION TEST SUB LAB

RES-CBB-020 15A0034-01 Product/Solid SW-846 8082A



#### CASE NARRATIVE SUMMARY

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

 $The \ results \ of \ analyses \ reported \ only \ relate \ to \ samples \ submitted \ to \ the \ Con-Test \ Analytical \ Laboratory \ for \ testing.$ 

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

Johanna K. Harrington

Manager, Laboratory Reporting



Project Location: Riverfield School Sample Description: Work Order: 15A0034

Date Received: 1/5/2015

Field Sample #: RES-CBB-020 Sampled: 12/31/2014 08:45

Sample ID: 15A0034-01
Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extracti	Extraction	Soxhlet	3540	with	phenyls	orinated l	Polych
--	------------	---------	------	------	---------	------------	--------

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:14	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:14	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:14	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:14	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:14	JMB
Aroclor-1254 [2]	0.29	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:14	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:14	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:14	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/5/15	1/6/15 21:14	JMB
Surrogates		% Recovery	Recovery Limits	i	Flag/Qual				
Decachlorobiphenyl [1]		91.7	30-150					1/6/15 21:14	
Decachlorobiphenyl [2]		105	30-150					1/6/15 21:14	
Tetrachloro-m-xylene [1]		84.8	30-150					1/6/15 21:14	
Tetrachloro-m-xylene [2]		95.4	30-150					1/6/15 21:14	



#### **Sample Extraction Data**

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15A0034-01 [RES-CBB-020]	B112940	2.05	10.0	01/05/15



#### 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 B112940 - SW-846 3540C										
Blank (B112940-BLK1)				Prepared: 01	/05/15 Anal	yzed: 01/06/	15			
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	0.867		mg/Kg	1.00		86.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.989		mg/Kg	1.00		98.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.835		mg/Kg	1.00		83.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.936		mg/Kg	1.00		93.6	30-150			
LCS (B112940-BS1)				Prepared: 01	/05/15 Anal	yzed: 01/06/	15			
Aroclor-1016	0.24	0.10	mg/Kg	0.250		96.7	40-140			
Aroclor-1016 [2C]	0.24	0.10	mg/Kg	0.250		97.4	40-140			
Aroclor-1260	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		108	40-140			
Surrogate: Decachlorobiphenyl	0.957		mg/Kg	1.00		95.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.08		mg/Kg	1.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.866		mg/Kg	1.00		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.985		mg/Kg	1.00		98.5	30-150			
LCS Dup (B112940-BSD1)				Prepared: 01	/05/15 Anal	yzed: 01/06/	15			
Aroclor-1016	0.25	0.10	mg/Kg	0.250		98.7	40-140	2.04	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		99.9	40-140	2.52	30	
Aroclor-1260	0.27	0.10	mg/Kg	0.250		107	40-140	0.123	30	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250		106	40-140	1.71	30	
Surrogate: Decachlorobiphenyl	0.923		mg/Kg	1.00		92.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.854		mg/Kg	1.00		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.965		mg/Kg	1.00		96.5	30-150			



### IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

RES-CBB-020

0.3

SW-846 8082A

Lab Sample ID: 15/		15A0034-01			ate(s) Analy	zed: 01/06/2015	01/06/2015	
In	strument ID (1):			In	strument ID	(2):		
G	C Column (1):	ID:	(m	nm) G	C Column (	2):	ID:	(mm
	ANALYTE	COL	RT	RT WI	INDOW	CONCENTRATION	%D	
	7114712	002	111	FROM	ТО	CONCENTIVITION	700	
	Aroclor-1254	1	0.00	0.00	0.00	0.29		

0.00

0.00

0.29

2

0.00



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Lab Sample ID:	B112940-BS1		Date(s) Analyzed:	01/06/2015	01/06	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.10.12112	002		FROM	TO	0011021111111111111	7,00
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.24	1
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.27	1



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS	Dup	

SW-846 8082A

Lab Sample ID:	B112940-BSD1		Date(s) Analyzed:	01/06/2015	01/06	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.00.2112	002		FROM	TO	00110211111111111111	705
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.25	1
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.27	1



#### 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.

No results have been blank subtracted unless specified in the case narrative section.



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Certifications Analyte SW-846 8082A in Product/Solid Aroclor-1016 CT,NH,NY,ME,NC,VA,NJ Aroclor-1016 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 [2C]  $CT,\!NH,\!NY,\!ME,\!NC,\!VA,\!NJ$ Aroclor-1232 CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 [2C] CT,NH,NY,ME,NC,VA,NJ

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2015
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

**CHAIN OF CUSTODY RECORD** 

Page\_ East longmeadow, MA 01028 39 Spruce Street

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Fax: 413-525-6405	いる。		
Email: info@contestlabs.com	stlabs.com		# of Containers
ANALYTICAL LABORATORY www.contestlabs.com	s.com		** Preservation
Company Name: Woodard & Curran	Telephone: 1-800-675-2756 G		***Container Code
40 Shattock Road, Suite 110	Project # 227361	ANALYSIS REQUESTED	Dissolved Metals
Andover, MA		Ð 14	O Field Filtered
J. Hamel, G. Franklin, G. Reynolds	DATA DELIVERY (check all that apply)	×yje	O Lab to Filter
Project Location: Riverfield School		os	***Cont. Code:
Sampled By: G. Reynolds	Email: jhamel@woodardcurran.com, etc	2₹00	A=amber glass G=glass
Project Proposal Provided? (for billing purposes)	Format: © PDF © EXCEL OGIS O OTHER	£/280	P=plastic ST=sterile
ממנה	Collection O "Enhanced Data Package"		S=summa can
Con-Test Lab ID   Client Sample ID / Description   Beg   Clabaratory use only	Beginning Ending = *Matrix   *Matrix   *Innt Code   Code	HOI	T=tedlar bag
			ב-סרונה

	RCP Form Required		<u>ה</u>	として	
	O MCP Form Required		☐ 10-Day	Signature) Date/Time:	ceived by
	is your project mer of mer	Massachusetts:	▼ 7-Day		Fina
O = otner	le volle project MCP or RCP ?	Detection Limit Requirements	Turnaround ††	nquished by: (signature) Date/Time:	] :=
SL = sludge	H - High; M - Medium; L - Low; C - Clean; U - Unknown		סטאוופו באוומסה	UNIT PUDS VIA USELA COUSE VI	    / ! nte
- S = soil/solid			Covblet Extract	/- 1 sam DCBs via HSEDA 8080 w/ Sovhlat Extraction (3540c)	_
A = air	Please use the following codes to let Con-Lest know it a specific sample may be high in concentration in Matrix/Conc. Code Box:	Please use the following   Please use the following			mments:
WW= wastewater					034
GW= groundwater					A0
*Matrix Code:					15
					16 ·
O = Other Hexane					of
T = Na thiosulfate					13
<b>S</b> = Sodium bisultate <b>X</b> = Na hydroxide					ge
S = Sulfuric Acid					Pa
N = Nitric Acid					
H = HCL					

\*\*Preservation

 $\supset$ 

Code Ø

845

12/31/14 Date/Time

RES-CBB-020

I = Iced

O MA State DW Form Required PWSID#\_ O MCP Form Required

RCP Form Required

RL <= 1 ppm

Connecticut:

WBE/DBE Certified NELAC & AIHA-LAP, LLC Accredited

Other RUSH <sup>†</sup>

Table of Contents

URNAKOUND 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. || | 子こと | † Require lab approval

Other:

□ <sup>†</sup>72-Hr □ <sup>†</sup>4-Day

Date/Time:

□ <sup>†</sup>24-Hr □ <sup>†</sup>48-Hr

Date/Time:

(signature)

12 15

1035

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



Page 1 of 2



### Sample Receipt Checklist

Was the chain(s) of custody relinquished and signed?  Does the chain agree with the samples?  If not, explain:  How were the samples in good condition?  If not, explain:  Direct from Sampling Ambient  Were the samples received:  Temperature °C by Temp blank Temperature Compliance of (2-demonstrature of the lab to filter?  Who was notified Date Time  To Do all samples have the proper Acid pH: Yes No (2-demonstrature)  By Do all samples have the proper Base pH: Yes No (2-demonstrature)  Containers received	stody relinquished and signed?  with the samples?  n: good condition?  n: s received: ct from Sampling	Was the chain(s) of custody relinquished and signed?  Does the chain agree with the samples?  If not, explain:  Are all the samples in good condition?  If not, explain:  How were the samples received:  Direct from Sampling Ambient  Were the samples received in Temperature Compliance of (2-6°)  Temperature °C by Temp blank Temperature  Are there Dissolved samples for the lab to filter?  Who was notified Date Time  Are there any RUSH or SHORT HOLDING TIME samples?  Who was notified Date Time  Date Time  Do all samples have the proper Acid pH: Yes No  Do all samples have the proper Base pH: Yes No	Ves No No CoC Included  Ves No  In Cooler(s)  (2-6°C)? Ves No N/A  Derature °C by Temp gun  Yes No  Time  Permission to subcontract samples? Yes No  (Walk-in clients only) if not already approved
If not, explain:  Are all the samples in good condition?  If not, explain:  How were the samples received:  Direct from Sampling Ambient  Were the samples received in Temperature Compliance of (2-  Temperature °C by Temp blank Temperature °C by Temperature °C b	with the samples?  n: good condition? n: s received: ct from Sampling	If not, explain:  Are all the samples in good condition? If not, explain:  How were the samples received:  Direct from Sampling Ambient  Were the samples received in Temperature Compliance of (2-6°)  Temperature °C by Temp blank Temperature  Are there Dissolved samples for the lab to filter?  Who was notified Date Time  Are there any RUSH or SHORT HOLDING TIME samples?  Who was notified Date Time  Time  Doate Time  Time  Doate Time  To Doall samples have the proper Acid ph: Yes No	Yes No  Yes No  In Cooler(s)  (2-6°C)? Yes No N/A  Derature °C by Temp gun  Yes No  Time  Yes No  Time  Permission to subcontract samples? Yes No  (Walk-in clients only) if not already approved
If not, explain:  Are all the samples in good condition?  If not, explain:  How were the samples received:  Direct from Sampling Ambient  Were the samples received in Temperature Compliance of (2-femperature °C by Temp blank  Are there Dissolved samples for the lab to filter?  Who was notified Date Time  Are there any RUSH or SHORT HOLDING TIME samples?  Who was notified Date Time  Who was notified Date Time  To Location where samples are stored:  Do all samples have the proper Acid pH: Yes No (2-femperature)  Do all samples have the proper Base pH: Yes No (2-femperature)  Containers received	with the samples?  n: good condition?  n: s received: ct from Sampling	If not, explain:  Are all the samples in good condition?  If not, explain:  How were the samples received:  Direct from Sampling Ambient  Vere the samples received in Temperature Compliance of (2-6°)  Temperature °C by Temp blank Temperature  Are there Dissolved samples for the lab to filter?  Who was notified Date Time  Are there any RUSH or SHORT HOLDING TIME samples?  Who was notified Date Time  Time  Doate Time  To Location where samples are stored:  Do all samples have the proper Acid pH: Yes No	ent
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Direct from Sampling Ambient Nere the samples received in Temperature Compliance of (2- Temperature °C by Temp blank Temperature  Temperature °C by Temp blank Date  Who was notified Date  Who was notified Date  Tim  Are there any RUSH or SHORT HOLDING TIME samples?  Who was notified Date  Tim  To Location where samples are stored:  Do all samples have the proper Acid pH: Yes No  Was the PC notified of any discrepancies with the CoC vectors.	n: s received: ct from Sampling	If not, explain:    How were the samples received:   Direct from Sampling	ent
Direct from Sampling Ambient  Vere the samples received in Temperature Compliance of (2- Temperature °C by Temp blank Temperature Compliance of (2- Temperature °C by Temp blank Temperature Compliance of (2- Temperature °C by Temp blank Temperature Compliance of (2- Temperature °C by Temp blank Temperature Compliance of (2- Temperature °C by Temp blank Temperature Compliance of (2- Temperature °C by Temp blank Temperature Compliance of (2- Temperature Compliance of C	Ambient In Cooler(s)  red in Temperature Compliance of (2-6°C)?  Temperature °C by Temp gun  Temperature °C by Temp gun  Temperature °C by Temp gun  Time  Date Time  Date Time  Date Time  Permission to subcontract samples? Yes No (Walk-in clients only) if not already approved Client Signature:  the proper Acid pH: Yes No (Walk-in clients only)  Temperature °C by Temp gun  Yes No (Walk-in clients only)  Time  Client Signature:  # of containers received at Con-Test  # of containers  # of containers	Direct from Sampling Ambient  Vere the samples received in Temperature Compliance of (2-6°)  Temperature °C by Temp blank Temperature  Temperature  Temperature  Are there Dissolved samples for the lab to filter?  Who was notified Date Time  Who was notified Date Time  Time  Time  Time  To be all samples have the proper Acid pH: Yes No  NA  NA  NA  NA  NA  NA  NA  NA  NA	reature °C by Temp gun  Yes  No  Yes  No  Time  Yes  Yes  No  Time  Permission to subcontract samples? Yes No  (Walk-in clients only) if not already approved
Nere the samples received in Temperature Compliance of (2- Temperature °C by Temp blank Temperature of the lab to filter?  Who was notified Date Times.  Are there any RUSH or SHORT HOLDING TIME samples?  Who was notified Date Times.  The samples are stored:  Date Times.  Date Ti	red in Temperature Compliance of (2-6°C)?    Date	Nere the samples received in Temperature Compliance of (2-6%)  Temperature °C by Temp blank Temperature  Time Date Time  Time Date Time  Time Date Time  Time Date Time  To all samples have the proper Acid pH: Yes No	reature °C by Temp gun  Yes  No  Yes  No  Time  Yes  Yes  No  Time  Permission to subcontract samples? Yes No  (Walk-in clients only) if not already approved
Temperature °C by Temp blank  Temper	blank Temperature °C by Temp gun S. 9 ' C Samples for the lab to filter? Time Time Time Time Permission to subcontract samples? Yes No	Temperature °C by Temp blank  Temper	Yes No Time  Permission to subcontract samples? Yes No (Walk-in clients only) if not already approved
Temperature °C by Temp blank  Temper	samples for the lab to filter?  Date Time  Date Time  Date Time  Date Time  Date Time  Date Time  Permission to subcontract samples? Yes No (Walk-in clients only) if not already approved Client Signature:  the proper Acid pH: Yes No NA  of any discrepancies with the CoC vs the samples: Yes No NA  Containers received at Con-Test  # of containers # of containers	Temperature °C by Temp blank  Temper	Yes No Time  Yes No Time  Permission to subcontract samples? Yes No (Walk-in clients only) if not already approved
Who was notified Date Times. Are there any RUSH or SHORT HOLDING TIME samples?  Who was notified Date Times.  The samples are stored:  Date Times.  DateTimes.  Date	DateTime	Who was notified Date Time  Are there any RUSH or SHORT HOLDING TIME samples?  Who was notified Date Time  Location where samples are stored:  Date Time  Date Time  Time  Do all samples have the proper Acid pH: Yes No  NA  Do all samples have the proper Base pH: Yes No	Time  Time  Permission to subcontract samples? Yes No (Walk-in clients only) if not already approved
Who was notified Date Times. Are there any RUSH or SHORT HOLDING TIME samples?  Who was notified Date Times.  The samples are stored:  Date Times.  DateTimes.  Date	DateTime	Who was notified Date Time  Are there any RUSH or SHORT HOLDING TIME samples?  Who was notified Date Time  Location where samples are stored:  Date Time  Date Time  Time  Do all samples have the proper Acid pH: Yes No  NA  Do all samples have the proper Base pH: Yes No	Time  Permission to subcontract samples? Yes No (Walk-in clients only) if not already approved
Who was notified Date Time.  The samples are stored:  Date Time.  D	Date Time	Who was notified Date Time  Time  To all samples have the proper Acid pH: Yes No  No all samples have the proper Base pH: Yes No	Time  Permission to subcontract samples? Yes No (Walk-in clients only) if not already approved
Who was notified Date Time  7) Location where samples are stored:  8) Do all samples have the proper Acid pH: Yes No (10) Was the PC notified of any discrepancies with the CoC vector Containers received.	Date Time	Who was notified Date Time  7) Location where samples are stored:  8) Do all samples have the proper Acid pH: Yes No NA  9) Do all samples have the proper Base pH: Yes No	Permission to subcontract samples? Yes No (Walk-in clients only) if not already approved
7) Location where samples are stored:  ( )  8) Do all samples have the proper Acid pH: Yes No ( )  9) Do all samples have the proper Base pH: Yes No ( )  10) Was the PC notified of any discrepancies with the CoC vs.  Containers received.	Permission to subcontract samples? Yes No (Walk-in clients only) if not already approved Client Signature:  the proper Acid pH: Yes No N/A  the proper Base pH: Yes No N/A  of any discrepancies with the CoC vs the samples: Yes No N/A  Containers received at Con-Test  # of containers # of containers	7) Location where samples are stored:  8) Do all samples have the proper Acid pH: Yes No NA 9) Do all samples have the proper Base pH: Yes No	Permission to subcontract samples? Yes No (Walk-in clients only) if not already approved
8) Do all samples have the proper Acid pH: Yes No (19) Do all samples have the proper Base pH: Yes No (10) Was the PC notified of any discrepancies with the CoC vector (10) Containers received	the proper Acid pH: Yes No N/A  the proper Base pH: Yes No N/A  of any discrepancies with the CoC vs the samples: Yes No N/A  Containers received at Con-Test  # of containers # of containers	8) Do all samples have the proper Acid pH: Yes No NA 9) Do all samples have the proper Base pH: Yes No	(Walk-in clients only) if not already approved
8) Do all samples have the proper Acid pH: Yes No (19) Do all samples have the proper Base pH: Yes No (10) Was the PC notified of any discrepancies with the CoC vector (10) Containers received	the proper Acid pH: Yes No NA the proper Base pH: Yes No NA of any discrepancies with the CoC vs the samples: Yes No NA  Containers received at Con-Test  # of containers # of containers	8) Do all samples have the proper Acid pH: Yes No NA 9) Do all samples have the proper Base pH: Yes No	
9) Do all samples have the proper Base pH: Yes No (10) Was the PC notified of any discrepancies with the CoC vector Containers received	the proper Acid pH: Yes No NA the proper Base pH: Yes No NA of any discrepancies with the CoC vs the samples: Yes No NA  Containers received at Con-Test  # of containers # of containers	9) Do all samples have the proper Base pH: Yes No N/A	Client Signature:
Do all samples have the proper Base pH: Yes No (10) Was the PC notified of any discrepancies with the CoC vs.  Containers received	the proper Base pH: Yes No N/A of any discrepancies with the CoC vs the samples: Yes No N/A  Containers received at Con-Test  # of containers # of containers	Do all samples have the proper Base pH: Yes No N/A	
	# of containers # of containers	Containers received	red at Con-Test
4 -f containors			1
			8 oz amber/clear jar
1 Liter Amber	4 oz cmbor/clear jar		
500 mL Amber	2 oz amber/clear jar	500 mL Amber	
	annuer)	are I Archar (Ser ember)	Plastic Bag / Ziploc
Liter Flastic	Plastic Bag / Ziploc	250 mL Amber (8oz amber)	
500 ml Plastic	Plastic Bag / Ziploc	1 Liter Plastic	SOC Kit
500 mL Plastic	Plastic Bag / Ziploc  SOC Kit  Non-ConTest Container	1 Liter Plastic 500 mL Plastic	
250 mL plastic	Plastic Bag / Ziploc SOC Kit Non-ConTest Container Perchlorate Kit	1 Liter Plastic 500 mL Plastic 250 mL plastic	Non-ConTest Container  Perchlorate Kit
250 mL plastic  40 mL Vial - type listed below	Plastic Bag / Ziploc SOC Kit Non-ConTest Container Perchlorate Kit Flashpoint bottle	1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below	Non-ConTest Container  Perchlorate Kit  Flashpoint bottle
250 mL plastic  40 mL Vial - type listed below  Colisure / bacteria bottle	Plastic Bag / Ziploc SOC Kit Non-ConTest Container Perchlorate Kit Flashpoint bottle Other glass jar	1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle	Non-ConTest Container Perchlorate Kit Flashpoint bottle Other glass jar
250 mL plastic  40 mL Vial - type listed below	Plastic Bag / Ziploc  SOC Kit  Non-ConTest Container  Perchlorate Kit  Flashpoint bottle  Other glass lar	1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle	Non-ConTest Container Perchlorate Kit Flashpoint bottle Other glass jar
250 mL Amber (8oz amber)	amber)		The state of the s
	ENG CARL TO THE PARTY OF THE PA	250 mL Amber (8oz amber)	Plastic Bag / Ziploc
1 Liter Plastic	Plastic Bag / Ziploc		
	Plastic Bag / Ziploc		
	Plastic Bag / Ziploc	1 Liter Plastic	SOC Kit
500 mL Plastic	Plastic Bag / Ziploc SOC Kit	1 Liter Plastic	
	Plastic Bag / Ziploc  SOC Kit  Non-ConTest Container	1 Liter Plastic 500 mL Plastic	
	Plastic Bag / Ziploc SOC Kit Non-ConTest Container	1 Liter Plastic 500 mL Plastic	Non-ConTest Container
250 mL plastic	Plastic Bag / Ziploc  SOC Kit  Non-ConTest Container	1 Liter Plastic 500 mL Plastic 250 mL plastic	Non-ConTest Container
250 mL plastic  40 mL Vial - type listed below	Plastic Bag / Ziploc SOC Kit Non-ConTest Container Perchlorate Kit	1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below	Non-ConTest Container  Perchlorate Kit
250 mL plastic  40 mL Vial - type listed below	Plastic Bag / Ziploc SOC Kit Non-ConTest Container Perchlorate Kit	1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below	Non-ConTest Container  Perchlorate Kit
250 mL plastic  40 mL Vial - type listed below	Plastic Bag / Ziploc SOC Kit Non-ConTest Container Perchlorate Kit Flashpoint bottle	1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below	Non-ConTest Container  Perchlorate Kit  Flashpoint bottle
250 mL plastic  40 mL Vial - type listed below  Colisure / bacteria bottle	Plastic Bag / Ziploc  SOC Kit  Non-ConTest Container  Perchlorate Kit  Flashpoint bottle  Other glass lar	1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle	Non-ConTest Container  Perchlorate Kit  Flashpoint bottle
250 mL plastic  40 mL Vial - type listed below  Colisure / bacteria bottle	Plastic Bag / Ziploc  SOC Kit  Non-ConTest Container  Perchlorate Kit  Flashpoint bottle  Other glass lar	1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle	Non-ConTest Container  Perchlorate Kit  Flashpoint bottle
250 mL plastic  40 mL Vial - type listed below  Colisure / bacteria bottle	Plastic Bag / Ziploc SOC Kit Non-ConTest Container Perchlorate Kit Flashpoint bottle Other glass jar	1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle	Non-ConTest Container Perchlorate Kit Flashpoint bottle Other glass jar

### Page 2 of 2 Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	,,	Answer (True/False)	Comment
		1/1/19/4	
1) The cooler's custo	dy seal, if present, is intact.	T	
2) The cooler or sam been compromised o	ples do not appear to have or tampered with.	T	
3) Samples were rec	eived on ice.	T	
4) Cooler Temperatu	ıre is acceptable.	T	
5) Cooler Temperatu	ure is recorded.	T	
6) COC is filled out i	n ink and legible.	T	
7) COC is filled out v	with all pertinent information.	T	
8) Field Sampler's n	ame present on COC.	T	
9) There are no disc sample IDs on the c	crepancies between the cortainer and the COC.	T	
10) Samples are red	ceived within Holding Time.	T	
11) Sample contain	ers have legible labels.	7	
12) Containers are	not broken or leaking.	T	
13) Air Cassettes a	re not broken/open.	MA	
14) Sample collection	on date/times are provided.	+	
15) Appropriate sar	mple containers are used.	T	
16) Proper collection	on media used.	T	
17) No headspace	sample bottles are completely filled	MA	
18) There is sufficient analyses, including	ent volume for all requsted g any requested MS/MSDs.	+	
19) Trip blanks pro		+	
20) VOA sample vi bubble is <6mm (1	als do not have head space or /4") in diameter.	MA	
21) Samples do no	ot require splitting or compositing.	alse statements?	Date/Time:
Doc #277 Rev. 4 A	Who notified of F		Date/Time:

.4

MT 1/5/145

Page 15 of 16 15A0034\_1 Contest\_Final 01 12 15 1035



# REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

<b>aborato</b> 5A0034	ocation: ory Sample I 1-01	Riverfield School  (D(s):	Project Number: 15A0  Sample Date(s):	034
5A0034 ist RCP		TD(s):	Sample Date(s):	
ist RCP	<b>1-0</b> 1		Sample Date(b).	
			12/31/2014	
	Methods Us	sed:		
p a	erformance cri	ical method referenced in this laboratory report package, we teria followed, including the requirement to explain any celines, as specified in the CTDEP method-specific Reason	riteria falling outside of	✓ Yes
1A V	Were the metho	d specified preservation and holding time requirements m	et?	✓ Yes No
		Methods only: Was the VPH and EPH method conducted see Section 11.3 of respective RCP methods)?	without significant	☐ Yes ☐ No ☑ N/A
	•	s received by the laboratory in a condition consistent with to-custody document(s)?	n that described on the	✓ Yes No
3 V	Were samples re	eccived at an appropriate temperature (< 6 degrees C.)?		Yes No
	Were all QA/QO locuments achie	C performance criteria specified in the CTDEP Reasonable eved?	e Confidence Protocol	✓ Yes No
5A V	Were reporting	limits specified or referenced on the chain-of-custody?		✓ Yes No
5B V	Were these repo	rting limits met?		✓ Yes No
a	ll constituents	ical method referenced in this laboratory report package, videntified in the method-specific analyte lists presented in tocol documents?		✓ Yes No
7 A	Are project-spec	cific matrix spikes and laboratory duplicates included in the	nis data set?	Yes No
must be p	provided in an a requirements fo	to which the response was "No" (with the exception of quattached narrative. If the answer to question #1, #1A, or #. or "Reasonable Confidence." tered and all questions must be answered.		
and be	elief and bained in this a	d, attest under the pains and penalties of persent upon my personal inquiry of those responsibilities are analytical report, such information is accurature:	onsible for providing the informat	=
Printe	ed Name: Jo	ohanna K. Harrington	Date: <u>01/12/15</u>	

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



April 24, 2015

George Franklin Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410

Project Location: Kenneth Boroson Architects - Riverfield School

Client Job Number: Project Number: 226361

Laboratory Work Order Number: 15D0869

Lua Watthington

Enclosed are results of analyses for samples received by the laboratory on April 17, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager

### **Table of Contents**

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Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410 ATTN: George Franklin

REPORT DATE: 4/24/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 226361

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15D0869

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

PROJECT LOCATION: Kenneth Boroson Architects - Riverfield School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RES-VBB-023	15D0869-01	Product/Solid		SW-846 8082A	
RES-VBB-024	15D0869-02	Product/Solid		SW-846 8082A	



#### CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

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

Johanna K. Harrington

Manager, Laboratory Reporting



Project Location: Kenneth Boroson Architects - Riv Sample Description: Work Order: 15D0869

Date Received: 4/17/2015

**Field Sample #: RES-VBB-023** Sampled: 4/17/2015 13:15

Sample ID: 15D0869-01
Sample Matrix: Product/Solid

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:23	KAL
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:23	KAL
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:23	KAL
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:23	KAL
Aroclor-1248 [2]	ND	0.097	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:23	KAL
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:23	KAL
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:23	KAL
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:23	KAL
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:23	KAL
Surrogates		% Recovery	Recovery Limits	i	Flag/Qual				
Decachlorobiphenyl [1]		114	30-150					4/23/15 2:23	
Decachlorobiphenyl [2]		110	30-150					4/23/15 2:23	
Tetrachloro-m-xylene [1]		103	30-150					4/23/15 2:23	
Tetrachloro-m-xylene [2]		103	30-150					4/23/15 2:23	



Project Location: Kenneth Boroson Architects - Riv Sample Description: Work Order: 15D0869

Date Received: 4/17/2015

Field Sample #: RES-VBB-024 Sampled: 4/17/2015 13:20

Sample ID: 15D0869-02
Sample Matrix: Product/Solid

<b>Polychlorinated</b>	Biphenvls with 3540	Soxhlet Extraction

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:35	KAL
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:35	KAL
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:35	KAL
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:35	KAL
Aroclor-1248 [2]	ND	0.096	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:35	KAL
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:35	KAL
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:35	KAL
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:35	KAL
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	4/20/15	4/23/15 2:35	KAL
Surrogates		% Recovery	Recovery Limits	S	Flag/Qual				
Decachlorobiphenyl [1]		82.0	30-150					4/23/15 2:35	
Decachlorobiphenyl [2]		86.6	30-150					4/23/15 2:35	
Tetrachloro-m-xylene [1]		95.6	30-150					4/23/15 2:35	
Tetrachloro-m-xylene [2]		97.0	30-150					4/23/15 2:35	



#### **Sample Extraction Data**

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15D0869-01 [RES-VBB-023]	B119740	2.07	10.0	04/20/15
15D0869-02 [RES-VBB-024]	B119740	2.09	10.0	04/20/15



#### 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 B119740 - SW-846 3540C										
Blank (B119740-BLK1)				Prepared: 04	/20/15 Anal	yzed: 04/23/1	15			
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	1.11		mg/Kg	1.00		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.950		mg/Kg	1.00		95.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.949		mg/Kg	1.00		94.9	30-150			
LCS (B119740-BS1)				Prepared: 04	/20/15 Anal	yzed: 04/23/1	15			
Aroclor-1016	0.32	0.10	mg/Kg	0.250		126	40-140			
Aroclor-1016 [2C]	0.31	0.10	mg/Kg	0.250		123	40-140			
Aroclor-1260	0.32	0.10	mg/Kg	0.250		127	40-140			
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		123	40-140			
Surrogate: Decachlorobiphenyl	1.19		mg/Kg	1.00		119	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.13		mg/Kg	1.00		113	30-150			
Surrogate: Tetrachloro-m-xylene	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.06		mg/Kg	1.00		106	30-150			
LCS Dup (B119740-BSD1)				Prepared: 04	/20/15 Anal	yzed: 04/23/1	15			
Aroclor-1016	0.31	0.10	mg/Kg	0.250		126	40-140	0.361	30	
Aroclor-1016 [2C]	0.30	0.10	mg/Kg	0.250		122	40-140	0.886	30	
Aroclor-1260	0.31	0.10	mg/Kg	0.250		124	40-140	1.80	30	
Aroclor-1260 [2C]	0.31	0.10	mg/Kg	0.250		124	40-140	0.424	30	
Surrogate: Decachlorobiphenyl	1.14		mg/Kg	1.00		114	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]	1.03		mg/Kg	1.00		103	30-150			



#### QUALITY CONTROL

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source	%REC	%REC Limits	RPD	RPD Limit	Notes
Analyte	Resuit	Limit	Units	Level	Result	%KEC	Limits	KPD	Limit	Notes
Batch B119740 - SW-846 3540C										
Matrix Spike (B119740-MS1)	Sour	ce: 15D0869-	01	Prepared: 04	1/20/15 Analy	zed: 04/23/	15			
Aroclor-1016	0.29	0.094	mg/Kg	0.235	ND	124	40-140			
Aroclor-1016 [2C]	0.28	0.094	mg/Kg	0.235	ND	118	40-140			
Aroclor-1260	0.23	0.094	mg/Kg	0.235	ND	96.7	40-140			
Aroclor-1260 [2C]	0.23	0.094	mg/Kg	0.235	ND	97.3	40-140			
Surrogate: Decachlorobiphenyl	0.828		mg/Kg	0.939		88.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.835		mg/Kg	0.939		88.9	30-150			
Surrogate: Tetrachloro-m-xylene	0.964		mg/Kg	0.939		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.972		mg/Kg	0.939		104	30-150			
Matrix Spike Dup (B119740-MSD1)	Sour	ce: 15D0869-	01	Prepared: 04	1/20/15 Analy	zed: 04/23/	15			
Aroclor-1016	0.29	0.096	mg/Kg	0.239	ND	122	40-140	0.0931	50	
Aroclor-1016 [2C]	0.28	0.096	mg/Kg	0.239	ND	118	40-140	2.26	50	
Aroclor-1260	0.24	0.096	mg/Kg	0.239	ND	99.3	40-140	4.55	50	
Aroclor-1260 [2C]	0.24	0.096	mg/Kg	0.239	ND	100	40-140	5.16	50	
Surrogate: Decachlorobiphenyl	0.883		mg/Kg	0.957		92.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.875		mg/Kg	0.957		91.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.958		mg/Kg	0.957		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.960		mg/Kg	0.957		100	30-150			



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Lab Sample ID:	B119740-BS1		Date(s) Analyzed:	04/23/2015	04/23	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7,07,2112	002	111	FROM	TO	OONOLIVITUUTION	700
Aroclor-1016	1	0.00	0.00	0.00	0.32	
	2	0.00	0.00	0.00	0.31	2
Aroclor-1260	1	0.00	0.00	0.00	0.32	
	2	0.00	0.00	0.00	0.31	2



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS	Dup	

Lab Sample ID:	B119740-BSD1		Date(s) Analyzed:	04/23/2015	04/23/	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.00.2112	002		FROM	TO	0011021111111111111	Į,
Aroclor-1016	1	0.00	0.00	0.00	0.31	
	2	0.00	0.00	0.00	0.30	5
Aroclor-1260	1	0.00	0.00	0.00	0.31	
	2	0.00	0.00	0.00	0.31	0



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Sample ID:	B119740-MS1		Date(s) Analyzed:	04/23/2015	04/23/	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D	
7.00.2112	002		FROM	TO	00110211111111111111	,02	
Aroclor-1016	1	0.00	0.00 0.00		0.29		
	2	0.00	0.00	0.00	0.28	4	
Aroclor-1260	1	0.00	0.00	0.00	0.23		
	2	0.00	0.00	0.00	0.23	1	



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Sample ID:	B119740-MSD1		Date(s) Analyzed:	04/23/2015	04/23	3/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D	
7.00 (2.1.2	002	111	FROM	TO	00110211111111111111	,,,,	
Aroclor-1016	1	0.00	0.00 0.00		0.29		
	2	0.00	0.00	0.00	0.28	4	
Aroclor-1260	1	0.00	0.00	0.00	0.24		
	2	0.00	0.00	0.00	0.24	1	



#### 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.

No results have been blank subtracted unless specified in the case narrative section.



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Aroclor-1260 [2C]

Certifications Analyte SW-846 8082A in Product/Solid Aroclor-1016 CT,NH,NY,ME,NC,VA,NJ Aroclor-1016 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 [2C]  $CT,\!NH,\!NY,\!ME,\!NC,\!VA,\!NJ$ Aroclor-1232 CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 CT,NH,NY,ME,NC,VA,NJ

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

CT,NH,NY,ME,NC,VA,NJ

CON-13-525-2332 ANALYTICAL LABORATORY

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Page

39 Spruce Street

\*\*\*Container Code Dissolved Metals O Field Filtered # of Containers \*\* Preservation O Lab to Filter \*\*\*Cont. Code: A=amber glass G=glass East longmeadow, MA 01028 **ANALYSIS REQUESTED** CHAIN OF CUSTODY RECORD | SD 0860 zoxyjet O gfranklin@woodardcurran.com DATA DELIVERY (check all that apply) **© EMAIL** OWEBSITE Telephone: 866-702-6371 226361 Client PO# Project # O FAX Email: Fax# Email: info@contestlabs.com www.contestlabs.com Project Location: Kenneth Boroson Architects - Riverfield School Cheshire, CT 06410 1520 Highland Ave Company Name: Woodard & Curran George Franklin

P=plastic

Λq

OGIS

● EXCEL

● PDF

Format:

**Greg Reynolds** 

Sampled By:

Attention:

Address:

Project Proposal Provi O ves	Project Proposal Provided? (for billing purposes)  O ves	rormat:	● PDF ● EXCEL O OTHER	Py O		<i>P</i> ≑piastic ST≅sterile
		Collection	O "Enhanced Data Package"		'D	V=vial
Con-Test Lab ID	Client Sample ID / Description	Beginning Ending Date/Time Date/Time	Composite Grab Lade	*Matrix Conc Code	ТОН	S=summa can T=tedlar bag
)()	RES-188-023	4/17/15 1315	×	× ×		0=Other
20	RES- UBB-024	97/12/12/1	×	ر الا		***Preservation
						] = Iced
						M = Methanol
						N = Nitric Acid
						B = Sodium bisulfate
						X = Na hydroxide T = Na thiosulfate
						0 = 0ther
			,			*Matrix Code:
						GW= groundwater WW= wastewater
Comments:				Please use the following	Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Maria/Cone Code Day	ific sample DW= drinking water
1. PCBs by Soxhlet 2. Re	1. PCBs by Soxhlet 2. Reporting limit ≤ 1 ug/kg 3. For billing information, reference task order dated 11/22/2013	iation, reference task orde				1
	***************************************			H - High; M - Me	H - High; M - Medium; L - Low; C - Clean; U - Unknown	
Relinguished by: (signature)	e) 4(19/15 17.0	Turnaround <sup>††</sup> √ □ 7-Day	Detection Limit Requirements Massachusetts:	Requirements	Is your project MCP or RCP?	RCP? 0= other warmen
Regelyed by; (signature)	. f. Date/Time:	O 10-Day			O MCP Form Required	

TÜRNAROUND 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 PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT < 1 ug/kg INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. Other TRequire lab approval

WBE/DBE Certified

Table of Contents

NELAC & AIHA-LAP, LLC

O MA State DW Form Required PWSID#

O MCP Form Required RCP Form Required

Connecticut:

☐ <sup>1</sup>72-Hr ☐ <sup>1</sup>4-Day

Date/Time:

□ <sup>†</sup>24-Hr **X** <sup>†</sup>48-Hr

Other 50ay

RUSH

Date/Time:

inquished by: (signature)

ceived by: (signature)

16 of 19

10-Day

Date/Time:

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



Page 1 of 2

# Table of Contents

# Sample Receipt Checklist

CLIENT NAME: WOOLSO	<u>L'arran</u>	RECEIVED BY:	KALL	ATE: 917110				
Was the chain(s) of custody r	) Was the chain(s) of custody relinquished and signed?  Yes No No CoC Included							
2) Does the chain agree with the If not, explain:	e samples?		Yes No					
3) Are all the samples in good of If not, explain:	ondition?		Yes No					
4) How were the samples receiv	ed:							
On Ice Direct from S		Ambient [	In Cooler(s)					
Were the samples received in Te				N/A				
Temperature °C by Temp blank		Temperature °C t	y Temp gun	21.0				
5) Are there Dissolved samples	for the lab to filter?		Yes No					
Who was notified	Date	Time						
6) Are there any RUSH or SHOR	T HOLDING TIME san	nples?	(Yes) No					
Who was notified	Date	Time						
		Perm	ission to subcontr	act samples? Yes No				
7) Location where samples are stored: (Walk-in clients only) if not already approved								
Client Signature:								
8) Do all samples have the proper Acid pH: Yes No NA								
9) Do all samples have the proper Base pH: Yes No (N/A)								
C	ontainers rec							
Co				# of containers				
1 Liter Amber	ontainers rec	eived at Co		# of containers				
	ontainers rec	eived at Co	on-Test	# of containers				
1 Liter Amber	ontainers rec	eived at Co	on-Test	# of containers				
1 Liter Amber 500 mL Amber	ontainers rec	8 oz/ 4 oz/ 2 oz/	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc	# of containers				
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic	ontainers rec	8 ozy 4 oz 2 oz Plas	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit	# of containers				
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic	ontainers rec	8 oz 4 oz 2 oz Plas	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit onTest Container	# of containers				
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below	ontainers rec	8 ozy 4 oz 2 oz Plas Non-Ce	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit onTest Container erchlorate Kit	# of containers				
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle	ontainers rec	8 oz 4 oz 2 oz Plas Non-Ce	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit on Test Container erchlorate Kit shpoint bottle	# of containers				
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle	ontainers rec	8 oz 4 oz 2 oz Plas Non-Ce	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit onTest Container erchlorate Kit shpoint bottle her glass jar	# of containers				
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore	ontainers rec	8 oz 4 oz 2 oz Plas Non-Ce	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit on Test Container erchlorate Kit shpoint bottle	# of containers				
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1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Laboratory Comments:	# of containers  # of containers  // Ck  # Meth	8 oz 4 oz 2 oz Plas Non-Ce	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit onTest Container erchlorate Kit shpoint bottle her glass jar Other					

### Page 2 of 2

<u>Login Sample Receipt Checklist</u>
(Rejection Criteria Listing - Using Sample Acceptance Policy) Any False statement will be brought to the attention of Client
Answer (True/False)

Question	Answer (True/Fai:	se) comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.		
3) Samples were received on ice.	L MA	samples DFS
4) Cooler Temperature is acceptable.	I MA	
5) Cooler Temperature is recorded.	MA_	
6) COC is filled out in ink and legible.		
7) COC is filled out with all pertinent information.		
8) Field Sampler's name present on COC.		
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.		
11) Sample containers have legible labels.		
12) Containers are not broken or leaking.		
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.		
15) Appropriate sample containers are used.		
16) Proper collection media used.		
17) No headspace sample bottles are completely filled.	L MA	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	I MA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.		Date/Time:
Who notified of Fa Doc #277 Rev. 4 August 2013 Log-In Technician		Data Minary Coll and



# REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Con-Test Analytical Laboratory Client: Woodard & Curran - CT Laboratory Name: Kenneth Boroson Architects - Riverfield **Project Number:** 15D0869 Project Location: School Laboratory Sample ID(s): Sample Date(s): 15D0869-01 thru 15D0869-02 04/17/2015 List RCP Methods Used: SW-846 8082A ✓ Yes No For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CTDEP method-specific Reasonable Confidence Protocol documents? ✓ Yes ☐ No **1A** Were the method specified preservation and holding time requirements met? No Yes 1B VPH and EPH Methods only: Was the VPH and EPH method conducted without significant modifications (see Section 11.3 of respective RCP methods)? ✓ N/A ✓ Yes No Were all samples received by the laboratory in a condition consistent with that described on the 2 associated chain-of-custody document(s)? No ✓ Yes Were samples received at an appropriate temperature (< 6 degrees C.)? 3 □ N/A No ✓ Yes Were all QA/QC performance criteria specified in the CTDEP Reasonable Confidence Protocol documents achieved? ✓ No Yes Were reporting limits specified or referenced on the chain-of-custody? 5A No Yes 5B Were these reporting limits met? ✓ Yes ☐ No For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents? ✓ Yes ☐ No Are project-specific matrix spikes and laboratory duplicates included in this data set? 7 Notes: For all questions to which the response was "No" (with the exception of question #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A, or #1B is "No", the data package does not meet the requirements for "Reasonable Confidence." This form may not be altered and all questions must be answered. I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. Johan Hourigh **Authorized Signature:** Position: Manager, Laboratory Reporting Printed Name: Johanna K. Harrington Date: 04/24/15

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



June 17, 2015

George Franklin Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410

Project Location: Kenneth Boronson Architects - Riverfield School

Client Job Number: Project Number: 226361

Laboratory Work Order Number: 15F0582

Lua Watthington

Enclosed are results of analyses for samples received by the laboratory on June 11, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager

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Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410 ATTN: George Franklin

REPORT DATE: 6/17/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 226361

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15F0582

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

PROJECT LOCATION: Kenneth Boronson Architects - Riverfield School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RES-CBB-025	15F0582-01	Product/Solid		SW-846 8082A	
RES-CBB-026	15F0582-02	Product/Solid		SW-846 8082A	
RES-CBB-027	15F0582-03	Product/Solid		SW-846 8082A	



#### CASE NARRATIVE SUMMARY

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

 $The \ results \ of \ analyses \ reported \ only \ relate \ to \ samples \ submitted \ to \ the \ Con-Test \ Analytical \ Laboratory \ for \ testing.$ 

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

Johanna K. Harrington

Manager, Laboratory Reporting



Project Location: Kenneth Boronson Architects - Ri Sample Description: Work Order: 15F0582

Date Received: 6/11/2015

**Field Sample #: RES-CBB-025** Sampled: 6/11/2015 07:20

Sample ID: 15F0582-01
Sample Matrix: Product/Solid

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:16	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:16	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:16	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:16	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:16	JMB
Aroclor-1254 [2]	0.15	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:16	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:16	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:16	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:16	JMB
Surrogates		% Recovery	Recovery Limits	i	Flag/Qual				
Decachlorobiphenyl [1]		82.1	30-150					6/16/15 3:16	
Decachlorobiphenyl [2]		114	30-150					6/16/15 3:16	
Tetrachloro-m-xylene [1]		77.4	30-150					6/16/15 3:16	
Tetrachloro-m-xylene [2]		101	30-150					6/16/15 3:16	



Project Location: Kenneth Boronson Architects - Ri Sample Description: Work Order: 15F0582

Date Received: 6/11/2015

**Field Sample #: RES-CBB-026** Sampled: 6/11/2015 07:35

Sample ID: 15F0582-02
Sample Matrix: Product/Solid

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:29	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:29	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:29	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:29	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:29	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:29	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:29	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:29	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:29	JMB
Surrogates		% Recovery	Recovery Limits	1	Flag/Qual				
Decachlorobiphenyl [1]		86.0	30-150					6/16/15 3:29	
Decachlorobiphenyl [2]		119	30-150					6/16/15 3:29	
Tetrachloro-m-xylene [1]		83.5	30-150					6/16/15 3:29	
Tetrachloro-m-xylene [2]		109	30-150					6/16/15 3:29	



Project Location: Kenneth Boronson Architects - Ri Sample Description: Work Order: 15F0582

Date Received: 6/11/2015

**Field Sample #: RES-CBB-027** Sampled: 6/11/2015 07:50

Sample ID: 15F0582-03
Sample Matrix: Product/Solid

Polychloringted	Rinhenvls with	3540 Soxhlet Extraction	

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:42	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:42	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:42	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:42	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:42	JMB
Aroclor-1254 [2]	1.2	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:42	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:42	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:42	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/12/15	6/16/15 3:42	JMB
Surrogates		% Recovery	Recovery Limits	i	Flag/Qual				
Decachlorobiphenyl [1]		88.5	30-150					6/16/15 3:42	
Decachlorobiphenyl [2]		123	30-150					6/16/15 3:42	
Tetrachloro-m-xylene [1]		80.0	30-150					6/16/15 3:42	
Tetrachloro-m-xylene [2]		104	30-150					6/16/15 3:42	



#### **Sample Extraction Data**

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15F0582-01 [RES-CBB-025]	B124077	2.01	10.0	06/12/15
15F0582-02 [RES-CBB-026]	B124077	2.04	10.0	06/12/15
15F0582-03 [RES-CBB-027]	B124077	2.01	10.0	06/12/15



#### 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 B124077 - SW-846 3540C										
Blank (B124077-BLK1)				Prepared: 06	5/12/15 Anal	yzed: 06/16/1	15			
Aroclor-1016	ND	0.098	mg/Kg							
Aroclor-1016 [2C]	ND	0.098	mg/Kg							
Aroclor-1221	ND	0.098	mg/Kg							
Aroclor-1221 [2C]	ND	0.098	mg/Kg							
Aroclor-1232	ND	0.098	mg/Kg							
Aroclor-1232 [2C]	ND	0.098	mg/Kg							
Aroclor-1242	ND	0.098	mg/Kg							
Aroclor-1242 [2C]	ND	0.098	mg/Kg							
Aroclor-1248	ND	0.098	mg/Kg							
Aroclor-1248 [2C]	ND	0.098	mg/Kg							
Aroclor-1254	ND	0.098	mg/Kg							
Aroclor-1254 [2C]	ND	0.098	mg/Kg							
Aroclor-1260	ND	0.098	mg/Kg							
Aroclor-1260 [2C]	ND	0.098	mg/Kg							
Aroclor-1262	ND	0.098	mg/Kg							
Aroclor-1262 [2C]	ND	0.098	mg/Kg							
Aroclor-1268	ND	0.098	mg/Kg							
Aroclor-1268 [2C]	ND	0.098	mg/Kg							
Surrogate: Decachlorobiphenyl	0.959		mg/Kg	0.980		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.37		mg/Kg	0.980		140	30-150			
Surrogate: Tetrachloro-m-xylene	0.933		mg/Kg	0.980		95.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.22		mg/Kg	0.980		124	30-150			
LCS (B124077-BS1)				Prepared: 06	5/12/15 Anal	yzed: 06/16/1	15			
Aroclor-1016	0.29	0.10	mg/Kg	0.250		114	40-140			
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		114	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		103	40-140			
Aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250		118	40-140			
Surrogate: Decachlorobiphenyl	0.862		mg/Kg	1.00		86.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.20		mg/Kg	1.00		120	30-150			
Surrogate: Tetrachloro-m-xylene	0.869		mg/Kg	1.00		86.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.13		mg/Kg	1.00		113	30-150			
LCS Dup (B124077-BSD1)				Prepared: 06	5/12/15 Anal	yzed: 06/16/1	15			
Aroclor-1016	0.26	0.10	mg/Kg	0.249		106	40-140	7.57	30	
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.249		106	40-140	8.25	30	
Aroclor-1260	0.25	0.10	mg/Kg	0.249		99.8	40-140	4.13	30	
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.249		114	40-140	4.31	30	
Surrogate: Decachlorobiphenyl	0.816		mg/Kg	0.995		82.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.13		mg/Kg	0.995		113	30-150			
Surrogate: Tetrachloro-m-xylene	0.768		mg/Kg	0.995		77.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.982		mg/Kg	0.995		98.7	30-150			



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

RES-CBB-025

14.3

SW-846 8082A

La	b Sample ID:	5F0582-01		D	ate(s) Analy	zed: 06/16/2015	06/1	6/2015
In	strument ID (1):			In	strument ID	(2):		
G	C Column (1):	ID:	(m	nm) G	C Column (	2):	ID:	(mm
	ANALYTE	COL	RT	RT WI	INDOW	CONCENTRATION	%D	]
	ANALITE	002	111	FROM	ТО	CONCENTRATION	700	
	Aroclor-1254	1	0.00	0.00	0.00	0.13		]

0.00

0.00

0.15

2

0.00



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

RES-CBB-027

La	ab Sample ID:	15F0582-03	5F0582-03 Date(s) Analyzed: 06/16/2015		06/16/2015			
ln	strument ID (1):			In	strument ID	0 (2):		
G	C Column (1):	ID:	(m	nm) G	C Column (	2):	ID:	(mm
ANALYTE		COL	RT	RT WINDOW		CONCENTRATION	%D	
	ANALITE	COL	'\'	FROM	ТО	CONCENTRATION	INTIVATION   70D	
	Aroclor-1254	1	0.00	0.00	0.00	0.95		
		2	0.00	0.00	0.00	1.2	22.0	



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Lab Sample ID:	B124077-BS1		Date(s) Analyzed:	06/16/2015	06/16	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)
				_		

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.10.12.1.2	002		FROM	TO	00110211111111111111	702
Aroclor-1016	1	0.00	0.00	0.00	0.29	
	2	0.00	0.00	0.00	0.29	1
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.30	15



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Du	p

Lab Sample ID:	B124077-BSD1		Date(s) Analyzed:	06/16/2015	06/16/	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
7.00.2112	002		FROM	TO	0011021111111111111	Į,
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.26	2
Aroclor-1260	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.28	12



#### 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.

No results have been blank subtracted unless specified in the case narrative section.



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Aroclor-1260 [2C]

Certifications Analyte SW-846 8082A in Product/Solid Aroclor-1016 CT,NH,NY,ME,NC,VA,NJ Aroclor-1016 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 [2C]  $CT,\!NH,\!NY,\!ME,\!NC,\!VA,\!NJ$ Aroclor-1232 CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 CT,NH,NY,ME,NC,VA,NJ

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

CT,NH,NY,ME,NC,VA,NJ

CON-LESE BAY A13-525-2332 ANALYTICAL LABORATORY

**CHAIN OF CUSTODY RECORD** 

39 Spruce Street

₽

East longmeadow, MA 01028

B = Sodium bisulfate DW= drinking water Dissolved Metals \*\*\*Container Code GW= groundwater WW= wastewater T = Na thiosulfate X = Na hydroxide O Field Filtered \*\* Preservation # of Containers O Lab to Filter S = Sulfuric Acid \*\*Preservation \*\*\*Cont. Code: A=amber glass \*Matrix Code: N = Nitric Acid M = Methanol S=summa can T=tedlar bag S = soil/solid o = Other ST=sterile P=plastic 0=Other A = air G=glass H-HCL = ced V= vial Please use the following codes to let Con-Test know if a specific sample H - High; M - Medium; L - Low; C - Clean; U - Unknown may be high in concentration in Matrix/Conc. Code Box: ANALYSIS REQUESTED HOID zoxyjer ρλ **b**CB2 ဤ Conc Code gfranklin@woodardcurran.com  $\supset$ O "Enhanced Data Package" Code Ø ťΩ DATA DELIVERY (check all that apply) Telephone: 866-702-6371 **© EMAIL** OWEBSITE Composite | Grab | O EXCEL CBs by Soxhlet 2. Reporting limit ≤ 1 ug/kg 3. For billing information, reference task order dated 11/22/2013 × × O OTHER 226361 OPDF Client PO# Date/Time Project # Ending 735 750 Format: O FAX Email: Fax# Collection Email: info@contestlabs.com 6/11/2015 6/11/2015 6/11/2015 Beginning Date/Time www.contestlabs.com Project Location: Kenneth Boroson Architects - Riverfield School Client Sample ID / Description RES-CBB-026 RES-CBB-025 RES-CBB-027 Cheshire, CT 06410 Project Proposal Provided? (for billing purposes) 1520 Highland Ave Company Name: Woodard & Curran proposal date George Franklin **Greg Reynolds** Con-Test Lab ID Sampled By: Attention: ments Address: Contest 16 of 18 15F0582

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

0 = other

**Detection Limit Requirements** 

Turnaround

quished by: (signature)

Wassachusetts:

Connecticut:

Other 5 Day

RUSH

Date/Time.

(signature)

duished by:

645 Date/Time:

10-Day

Date/Time:

7-Day

WBE/DBE Certified NELAC & AIHA-LAP, LLC

Table of Contents

JARNAROWND 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 NCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. 6 45 TRequire lab approval

1 ug/kg

Other:

TZ-Hr T 14-Day

<u>[]</u>

wed/by: (signature)

□ <sup>†</sup>24-Hr □ <sup>†</sup>48-Hr

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

39 Spruce St. East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405

Rev. 4 August 2013 # Thiosulfate



#### Page 1 of 2



www.contestlabs.com Sample Receipt Cl			<u>dist</u>	177	
CLIENT NAME: Woodard	and Curran	_RECEIVED BY:	JDL	_DATE:_	6/11/15
1) Was the chain(s) of custody re 2) Does the chain agree with the If not, explain:	samples?	ned?	Yes No	No Co	oC Included
3) Are all the samples in good co If not, explain:	endition?		Yes No		
4) How were the samples receive	ed:				
On Ice Direct from Sa		Ambient	In Cooler(s)		
Were the samples received in Te	mperature Complia	nce of (2-6°C)?	Yes No	N/A	
Temperature °C by Temp blank		_Temperature °C	by Temp gun	2.7	
5) Are there Dissolved samples t	or the lab to filter?		Yes No	)	
Who was notified	Date	Time		,	
6) Are there any RUSH or SHOR	HOLDING TIME sa	amples?	Yes No	)	
Who was notified	Date	Time			
7) Location where samples are stored:    Permission to subcon (Walk-in clients only)   Client Signature:				•	
8) Do all samples have the prope	er Acid pH: Yes	No N/A			
9) Do all samples have the prope	er Base pH: Yes	No (N/A)			<del></del>
10) Was the PC notified of any di	screpancies with th	e CoC vs the sar	nples: Yes	No (N	<u>IA</u> )
Co	ontainers re	ceived at C	on-Test		
	# of containers		, and the contract of	- 1	# of containers
1 Liter Amber		802	z amber/clear jar	٢	}
500 mL Amber		4 02	z amber/clear jar	ŗ	2
250 mL Amber (8oz amber)		2 0	<del>z amb</del> er/clear jar	r	
1 Liter Plastic		Pla	stic Bag / Ziploc		
500 mL Plastic			SOC Kit		
250 mL plastic			ConTest Contain	ier	
40 mL Vial - type listed below		-	Perchlorate Kit		
Colisure / bacteria bottle			ashpoint bottle		
Dissolved Oxygen bottle			Other glass jar	<del></del>	
Encore Laboratory Comments:	Control of the contro		Other	I	
40 mL vials: # HCl	# Me	thanol		Time ar	nd Date Frozen:
Doc# 277 # Bisulfate		 Water			

Unpreserve<u>d</u>

Page 17 of 18 15F0582\_1 Contest\_Final 06 17 15 1125

#### Page 2 of 2 **Login Sample Receipt Checklist**

(Rejection Criteria Listing - Using Sample Acceptance Policy) Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	j j	
4) Cooler Temperature is acceptable.		
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	<i></i>	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.		
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA L	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	<del>                                     </del>	
16) Proper collection media used.	<u> </u>	
17) No headspace sample bottles are completely filled.	1 7	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA L	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.  Who notified of Fa	lee statements?	Date/Time:
Doc #277 Rev. 4 August 2013 Log-In Technician		Date/Time: 6/11/15 1649



June 24, 2015

George Franklin Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410

Project Location: Kenneth Boroson Architects - Riverfield School

Client Job Number: Project Number: 226361

Laboratory Work Order Number: 15F0583

Lua Watthington

Enclosed are results of analyses for samples received by the laboratory on June 11, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager

#### **Table of Contents**

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Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410 ATTN: George Franklin

REPORT DATE: 6/24/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 226361

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15F0583

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

PROJECT LOCATION: Kenneth Boroson Architects - Riverfield School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RES-CBB-028	15F0583-01	Soil		-	
RES-CBB-029	15F0583-02	Soil		-	
RES-CBB-030	15F0583-03	Soil		SM 2540G	
				SW-846 8082A	



#### CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

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

Johanna K. Harrington

Manager, Laboratory Reporting



Project Location: Kenneth Boroson Architects - Riv Sample Description: Work Order: 15F0583

Date Received: 6/11/2015

Field Sample #: RES-CBB-030 Sampled: 6/11/2015 07:55

Sample ID: 15F0583-03
Sample Matrix: Soil

Polychloringted	Rinhenvls with	3540 Soxhlet Extraction	

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	6/17/15	6/18/15 18:02	KAL
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	6/17/15	6/18/15 18:02	KAL
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	6/17/15	6/18/15 18:02	KAL
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	6/17/15	6/18/15 18:02	KAL
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	6/17/15	6/18/15 18:02	KAL
Aroclor-1254 [2]	0.14	0.093	mg/Kg	1		SW-846 8082A	6/17/15	6/18/15 18:02	KAL
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	6/17/15	6/18/15 18:02	KAL
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	6/17/15	6/18/15 18:02	KAL
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	6/17/15	6/18/15 18:02	KAL
Surrogates		% Recovery	Recovery Limits	1	Flag/Qual				-
Decachlorobiphenyl [1]		89.6	30-150					6/18/15 18:02	
Decachlorobiphenyl [2]		119	30-150					6/18/15 18:02	
Tetrachloro-m-xylene [1]		78.8	30-150					6/18/15 18:02	
Tetrachloro-m-xylene [2]		100	30-150					6/18/15 18:02	



Project Location: Kenneth Boroson Architects - Riv Sample Description: Work Order: 15F0583

Date Received: 6/11/2015

**Field Sample #: RES-CBB-030** Sampled: 6/11/2015 07:55

Sample ID: 15F0583-03
Sample Matrix: Soil

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

								Date	Date/Time	
	Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
% Solids		99.7		% Wt	1		SM 2540G	6/18/15	6/19/15 17:42	MJR



#### **Sample Extraction Data**

#### Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15F0583-03 [RES-CBB-030]	B124455	06/18/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15F0583-03 [RES-CBB-030]	B124358	2.15	10.0	06/17/15



#### 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 B124358 - SW-846 3540C										
Blank (B124358-BLK1)				Prepared: 06	/17/15 Anal	yzed: 06/18/1	15			
Aroclor-1016	ND	0.086	mg/Kg							
Aroclor-1016 [2C]	ND	0.086	mg/Kg							
Aroclor-1221	ND	0.086	mg/Kg							
Aroclor-1221 [2C]	ND	0.086	mg/Kg							
Aroclor-1232	ND	0.086	mg/Kg							
Aroclor-1232 [2C]	ND	0.086	mg/Kg							
Aroclor-1242	ND	0.086	mg/Kg							
Aroclor-1242 [2C]	ND	0.086	mg/Kg							
Aroclor-1248	ND	0.086	mg/Kg							
Aroclor-1248 [2C]	ND	0.086	mg/Kg							
Aroclor-1254	ND	0.086	mg/Kg							
Aroclor-1254 [2C]	ND	0.086	mg/Kg							
Aroclor-1260	ND	0.086	mg/Kg							
Aroclor-1260 [2C]	ND	0.086	mg/Kg							
Aroclor-1262	ND	0.086	mg/Kg							
Aroclor-1262 [2C]	ND	0.086	mg/Kg							
Aroclor-1268	ND	0.086	mg/Kg							
Aroclor-1268 [2C]	ND	0.086	mg/Kg							
Surrogate: Decachlorobiphenyl	0.777		mg/Kg	0.862		90.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.02		mg/Kg	0.862		119	30-150			
Surrogate: Tetrachloro-m-xylene	0.700		mg/Kg	0.862		81.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.885		mg/Kg	0.862		103	30-150			
LCS (B124358-BS1)				Prepared: 06	/17/15 Anal	yzed: 06/18/1	15			
Aroclor-1016	0.26	0.093	mg/Kg	0.231		113	40-140			
Aroclor-1016 [2C]	0.29	0.093	mg/Kg	0.231		123	40-140			
Aroclor-1260	0.26	0.093	mg/Kg	0.231		113	40-140			
Aroclor-1260 [2C]	0.31	0.093	mg/Kg	0.231		135	40-140			
Surrogate: Decachlorobiphenyl	0.833		mg/Kg	0.926		90.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.17		mg/Kg	0.926		126	30-150			
Surrogate: Tetrachloro-m-xylene	0.730		mg/Kg	0.926		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.926		mg/Kg	0.926		100	30-150			
LCS Dup (B124358-BSD1)				Prepared: 06	5/17/15 Anal	yzed: 06/18/1	15			
Aroclor-1016	0.27	0.093	mg/Kg	0.234		116	40-140	3.94	30	
Aroclor-1016 [2C]	0.30	0.093	mg/Kg	0.234		127	40-140	3.73	30	
Aroclor-1260	0.26	0.093	mg/Kg	0.234		113	40-140	0.866	30	
Aroclor-1260 [2C]	0.31	0.093	mg/Kg	0.234		132	40-140	0.749	30	
Surrogate: Decachlorobiphenyl	0.851		mg/Kg	0.935		91.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.14		mg/Kg	0.935		122	30-150			
Surrogate: Tetrachloro-m-xylene	0.790		mg/Kg	0.935		84.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.01		mg/Kg	0.935		108	30-150			



#### 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 B124358 - SW-846 3540C										
Matrix Spike (B124358-MS1)	Sour	rce: 15F0583-	03	Prepared: 06	5/17/15 Analy	zed: 06/18/	15			
Aroclor-1016	0.27	0.097	mg/Kg	0.242	ND	114	40-140			
Aroclor-1016 [2C]	0.30	0.097	mg/Kg	0.242	ND	124	40-140			
Aroclor-1260	0.29	0.097	mg/Kg	0.242	ND	121	40-140			
Aroclor-1260 [2C]	0.34	0.097	mg/Kg	0.242	ND	139	40-140			
Surrogate: Decachlorobiphenyl	0.864		mg/Kg	0.966		89.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.14		mg/Kg	0.966		118	30-150			
Surrogate: Tetrachloro-m-xylene	0.739		mg/Kg	0.966		76.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.937		mg/Kg	0.966		97.0	30-150			
Matrix Spike Dup (B124358-MSD1)	Sour	rce: 15F0583-	03	Prepared: 06	5/17/15 Analy	zed: 06/18/	15			
Aroclor-1016	0.24	0.098	mg/Kg	0.245	ND	96.9	40-140	14.4	50	
Aroclor-1016 [2C]	0.26	0.098	mg/Kg	0.245	ND	108	40-140	12.3	50	
Aroclor-1260	0.26	0.098	mg/Kg	0.245	ND	104	40-140	13.3	50	
Aroclor-1260 [2C]	0.28	0.098	mg/Kg	0.245	ND	114	40-140	18.5	50	
Surrogate: Decachlorobiphenyl	0.727		mg/Kg	0.980		74.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.928		mg/Kg	0.980		94.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.685		mg/Kg	0.980		69.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.862		mg/Kg	0.980		88.0	30-150			



## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

RES-CBB-030

14.6

SW-846 8082A

La	b Sample ID: 15	F0583-03		Da	ate(s) Analy	zed: 06/18/2015	06/1	8/2015
In	strument ID (1):			In	strument ID	(2):		
G	C Column (1):	ID:	(m	nm) G	C Column (2	2):	ID:	(mm
	ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D	
				FROM	TO			
	Aroclor-1254	1	0.00	0.00	0.00	0.12		

0.00

0.00

0.14

2

0.00



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS		

Lab Sample ID:	B124358-BS1		Date(s) Analyzed:	06/18/2015	06/18/	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7,0,7,2112	002	111	FROM	TO	OONOLIVITUATION	700
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.29	11
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.31	17



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup	

Lab Sample ID:	B124358-BSD1		Date(s) Analyzed:	06/18/2015	06/18/	2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW COL		CONCENTRATION	%D
7.00.2112	002		FROM	TO	0011021111111111111	Į,
Aroclor-1016	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.30	10
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.31	16



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Sample ID:	B124358-MS1		Date(s) Analyzed:	06/18/2015	06/18	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
7.0.0.2.1.2	002		FROM	TO	00110211111111111111	705
Aroclor-1016	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.30	9
Aroclor-1260	1	0.00	0.00	0.00	0.29	
	2	0.00	0.00	0.00	0.34	15



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Sample ID:	B124358-MSD1		Date(s) Analyzed:	06/18/2015	06/18/	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
711712	002	111	FROM	TO	OONOLIVITUATION	700
Aroclor-1016	1	0.00	0.00	0.00	0.24	
	2	0.00	0.00	0.00	0.26	9
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	9



#### 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.

No results have been blank subtracted unless specified in the case narrative section.



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Certifications Analyte SW-846 8082A in Product/Solid Aroclor-1016 CT,NH,NY,ME,NC,VA,NJ Aroclor-1016 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 [2C]  $CT,\!NH,\!NY,\!ME,\!NC,\!VA,\!NJ$ Aroclor-1232 CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 [2C] CT,NH,NY,ME,NC,VA,NJ

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	06/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2015
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

(|| | | CON-LEST | CHAIN OF CUSTODY RECORD

East longmeadow, MA 01028 39 Spruce Street

| C 11 | C 11 | C 11 | C | Require lab approval Other: s1 ug/kg s1 ug/kg with STARTS AT 9:00名.M/THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT NCORRECT, TURNAROUND TIME WILK NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. /6 4/5 Tequire lab approval Other: 15 1226

☐ <sup>†</sup>72-Hr ☐ <sup>†</sup>4-Day

Date/Time:

eived by: (signature)

WBE/DBE Certified

of Contents

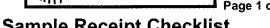
39 Spruce St. East Longmeadow, MA. 01028 P: 413-525-2332

F: 413-525-6405 www.contestlabs.com



Page 1 of 2

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	Sample Recei	br checyllar		
CLIENT NAME: Woodard	And Curran RE	CEIVED BY:	DATE	:: <u>6/11/15</u>
1) Was the chain(s) of custody re	elinquished and signed?	(		CoC Included
2) Does the chain agree with the If not, explain:	samples?	Yes	No	
3) Are all the samples in good could life not, explain:	ondition?	Ye	s) No	
4) How were the samples receive	ed:			
On Ice Direct from Sa	ampling 🔲 Am	bient 🔲 In C	goler(s) 🛚	
Were the samples received in Te	mperature Compliance o	of (2-6°C)? Yes	No N/A	
Temperature °C by Temp blank	Ter	nperature °C by Tem	ip gun <u>2.7</u>	
5) Are there Dissolved samples t	for the lab to filter?	Yes	s No	
Who was notified	Date	_ Time		
6) Are there any RUSH or SHOR	T HOLDING TIME sample	es? Yes	s (No)	
Who was notified	Date	_ Time	-	
		Permission	to subcontract s	samples? Yes No
7) Location where samples are store	<sub>ed</sub> . /	(Walk-in clie	ents only) if not	already approved
., modulo. Whole dampied are stor.	<u> </u>	Client Signa	• /	amouay approved
Q). Do all complet have the proper	ar Asida Ur. Vas. Na			
8) Do all samples have the prope		N/A		-
<ul><li>9) Do all samples have the proper</li><li>10) Was the PC notified of any di</li></ul>	·		Yes No (	N/A)
	ontainers receiv		ian järnyäänärikenren aviä etrakoivairen tijandin j	
				# of containers
1 Liter Amber	# of containers	8 oz amber	/clear iar	# or containers
500 mL Amber		A oz amber	<del>`</del>	2
250 mL Amber (8oz amber)		2 oz amber		
1 Liter Plastic		Plastic Bag	<del></del>	
500 mL Plastic		soc		
250 mL plastic		Non-ConTest		
40 mL Vial - type listed below		Perchlor	ate Kit	
Colisure / bacteria bottle		Flashpoin	t bottle	
Dissolved Oxygen bottle		Other gla	ass jar	
Encore		Othe	er	
Laboratory Comments:				
				The second secon
40 mL vials: # HCl	# Methano	······	Time	and Date Frozen:
Doc# 277 # Bisulfate	# DI Water			
	<del></del>		1	i

## Page 2 of 2 <u>Login Sample Receipt Checklist</u>

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False) T/F/NA	Comment
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	, T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	Ţ.	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.		
7) COC is filled out with all pertinent information.	T-	
8) Field Sampler's name present on COC.		
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	Ī	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	f	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	Ţ	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.		As/Times
Who notified of Fa Doc #277 Rev. 4 August 2013 Log-In Technician		ite/Time: /// //< //

#### **Meghan Kelley**

From: Greg Reynolds < greynolds@woodardcurran.com>

**Sent:** Wednesday, June 17, 2015 12:08 PM

**To:** mkelley@contestlabs.com

**Subject:** Riverfield school: release of held sample

Meghan,

On 6/11/2015 three samples were submitted on hold for project number 226361 (Kenneth Boroson Architects - Riverfield School). Please release for analysis sample RES-CBB-030 on a 5-day TAT.

Thanks,

Greg Reynolds Scientist Woodard & Curran 1520 Highland Avenue Cheshire, CT 06410 T: (203)699-6116

July 1, 2015

George Franklin Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410

Project Location: Riverfield School

Client Job Number: Project Number: 226361

Laboratory Work Order Number: 15F1439

Lua Watthington

Enclosed are results of analyses for samples received by the laboratory on June 29, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager

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Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410 ATTN: George Franklin

REPORT DATE: 7/1/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 226361

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15F1439

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

PROJECT LOCATION: Riverfield School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RES-CBC-034	15F1439-01	Product/Solid		SW-846 8082A	
RES-CBC-035	15F1439-02	Product/Solid		SW-846 8082A	



#### 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:

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound

compound.
Analyte & Samples(s) Qualified:

Aroclor-1260

15F1439-01[RES-CBC-034], 15F1439-02[RES-CBC-035], B125167-BLK1, B125167-BS1, B125167-BSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

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

Tod E. Kopyscinski Laboratory Director



Project Location: Riverfield School Sample Description: Work Order: 15F1439

Date Received: 6/29/2015

Field Sample #: RES-CBC-034

Sampled: 6/29/2015 09:30

Sample ID: 15F1439-01
Sample Matrix: Product/Solid

D - I I - I	D: b l:4b	2540 0 1-1-4	E-4
Polychlorinated	Bibnenvis with	3540 Soxniei	Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:15	PJG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:15	PJG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:15	PJG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:15	PJG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:15	PJG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:15	PJG
Aroclor-1260 [1]	ND	0.097	mg/Kg	1	R-05	SW-846 8082A	6/29/15	7/1/15 14:15	PJG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:15	PJG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:15	PJG
Surrogates		% Recovery	Recovery Limits	3	Flag/Qual				
Decachlorobiphenyl [1]		99.6	30-150					7/1/15 14:15	
Decachlorobiphenyl [2]		84.0	30-150					7/1/15 14:15	
Tetrachloro-m-xylene [1]		103	30-150					7/1/15 14:15	
Tetrachloro-m-xylene [2]		93.8	30-150					7/1/15 14:15	



Project Location: Riverfield School Sample Description: Work Order: 15F1439

Date Received: 6/29/2015

Field Sample #: RES-CBC-035

Sampled: 6/29/2015 09:50

Sample ID: 15F1439-02
Sample Matrix: Product/Solid

Polychlorinated	Rinhenvls with	h 3540 Soxbl	et Extraction
1 diyembi mateu	Diplicity is with	II JJ40 BUAIII	Ct Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:28	PJG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:28	PJG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:28	PJG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:28	PJG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:28	PJG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:28	PJG
Aroclor-1260 [1]	ND	0.097	mg/Kg	1	R-05	SW-846 8082A	6/29/15	7/1/15 14:28	PJG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:28	PJG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:28	PJG
Surrogates		% Recovery	Recovery Limits	i	Flag/Qual				
Decachlorobiphenyl [1]		97.3	30-150					7/1/15 14:28	
Decachlorobiphenyl [2]		82.0	30-150					7/1/15 14:28	
Tetrachloro-m-xylene [1]		96.2	30-150					7/1/15 14:28	
Tetrachloro-m-xylene [2]		87.6	30-150					7/1/15 14:28	



#### **Sample Extraction Data**

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15F1439-01 [RES-CBC-034]	B125167	2.06	10.0	06/29/15
15F1439-02 [RES-CBC-035]	B125167	2.07	10.0	06/29/15



#### QUALITY CONTROL

Spike

Source

%REC

RPD

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B125167 - SW-846 3540C										
Blank (B125167-BLK1)				Prepared: 06	/29/15 Anal	yzed: 07/01/1	15			
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							R-05
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	0.976		mg/Kg	1.00		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.818		mg/Kg	1.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.910		mg/Kg	1.00		91.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.835		mg/Kg	1.00		83.5	30-150			
LCS (B125167-BS1)				Prepared: 06	/29/15 Anal	yzed: 07/01/1	15			
Aroclor-1016	0.26	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		100	40-140			
Aroclor-1260	0.21	0.10	mg/Kg	0.250		85.0	40-140			R-05
Aroclor-1260 [2C]	0.21	0.10	mg/Kg	0.250		83.4	40-140			
Surrogate: Decachlorobiphenyl	0.698		mg/Kg	1.00		69.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.592		mg/Kg	1.00		59.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.878		mg/Kg	1.00		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.817		mg/Kg	1.00		81.7	30-150			
LCS Dup (B125167-BSD1)				Prepared: 06	/29/15 Anal	yzed: 07/01/1	15			
Aroclor-1016	0.31	0.10	mg/Kg	0.250		125	40-140	17.0	30	
Aroclor-1016 [2C]	0.31	0.10	mg/Kg	0.250		122	40-140	19.7	30	
Aroclor-1260	0.30	0.10	mg/Kg	0.250		118	40-140	32.6	* 30	R-05
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140	28.3	30	
Surrogate: Decachlorobiphenyl	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.846		mg/Kg	1.00		84.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.968		mg/Kg	1.00		96.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.884		mg/Kg	1.00		88.4	30-150			



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS		

Lab Sample ID:	B125167-BS1		Date(s) Analyzed:	07/01/2015	07/01	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
7.07.2112	OOL	111	FROM	TO	OONOLIVITUUTION	700
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.25	5
Aroclor-1260	1	0.00	0.00	0.00	0.21	
	2	0.00	0.00	0.00	0.21	1



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS	Dup	

Lab Sample ID:	B125167-BSD1		Date(s) Analyzed:	07/01/2015	07/01	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
7.00.2112	002		FROM	TO	00110211111111111111	Į,
Aroclor-1016	1	0.00	0.00	0.00	0.31	
	2	0.00	0.00	0.00	0.31	1
Aroclor-1260	1	0.00	0.00	0.00	0.30	
	2	0.00	0.00	0.00	0.28	5



#### FLAG/QUALIFIER SUMMARY

*	OC result is	s 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.

No results have been blank subtracted unless specified in the case narrative section.

R-05 Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any

reported value for this compound.



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Certifications Analyte SW-846 8082A in Product/Solid Aroclor-1016 CT,NH,NY,ME,NC,VA,NJ Aroclor-1016 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 [2C]  $CT,\!NH,\!NY,\!ME,\!NC,\!VA,\!NJ$ Aroclor-1232 CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 [2C] CT,NH,NY,ME,NC,VA,NJ

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NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	09/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

|| | | | CON-LESL® Phone: 413-525-2332

CHAIN OF CUSTODY RECORD

East longmeadow, MA 01028 39 Spruce Street

Page 1 of

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uk Terresan	www.contestlabs.com	stlabs.com				<u>=</u> L				** Preservation
Company Name: Woodard & Curran	Curran		Telephone:	866-702-6371	3371	<u> </u>	ပ			***Container Code
Address: 1520 Highland Ave	and Ave		Project #	226361				ANALYSIS REQUESTED	VUESTED	Dissolved Metals
Cheshire, CT 06410	ST 06410		Client PO#				***			O Field Filtered
Attention: George Franklin	ınklin		DATA DELIVE	ລູ	nat apply)		1ə			O Lab to Filter
Project Location: Kenneth Boroson Architects - Riverfield School	son Architects - Riverfie			SEIMAIL OWEBSIIE	31759		·[Ų:			***Cont. Code:
Sampled By: Greg Reynolds	S		Email:	gfranklin@woodardcurran.com	oodardcur	·	XO?			A=amber glass
osal Provided? (for	ing purposes)		Format:	O PDF OE	O EXCEL OGIS	<del></del>	pX z			G=glass P=plastic ST=cterile
Did Comment of the property of	proposal date	Colle	Collection	O UI ner	"Enhanced Data Package"		S	D		V=vial
Con-Test Lab ID Client Sal	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time		*Matrix Grab Cnde	nc Code	ьсв	ПОН		S=summa can T=tedlar bag
Q RE	RES-CBC-034	6/29/2015	930		1	)				<b>0</b> =Other
CO RE	RES-CBC-035	6/29/2015	950	×	ß	ר				**Precervation
										paol = I
										H = HCl. M = Methanol
										N = Nitric Acid S = Sulfuric Acid
Pag										B = Sodium bisulfate
e 13										A = Na nyaroxide T = Na thiosulfate
of 1										O = Other Hexane
5 15										*Matrix Code:
5F14										GW= groundwater WW= wastewater
o mments:					Ple	ase use the	following o	odes to let Con-Test	Please use the following codes to let Con-Test know if a specific sample	DW= drinking water
ɔd. PCBs by Soxhlet 2. Reporting limit ≤ 1 ug/kg. 3. 48 hr T	eporting limit ≤ 1 u	ıg/kg. 3.	48 hr TA	AT requested	1	High De III		inay be right in concentration in Marrix Conc. Code box:	Conc. Code Box:	S = soil/solid
	i	ŀ	+ + -			BH.	i, M - Med	H - High; M - Medium; L - Low; C - Clean; U - Unknown	an; U - Unknown	on = Studge
inquished by: (signature)	Date/Time:		I urnaround	Detection Limit Requirements Massachusetts:	Limit R	duireme	st	s your proje	is your project MCP or RCP?	
inal (3 On (1807)	Date/Lime:		10-Day Other soay					O MCP Form Required O RCP Form Required	i Required Required	
	V (0)			,				5		

WBE/DBE Certified URNAROUND 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 < 1 ug/kg INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. Other: 750 | Require lab approval

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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**NELAC & AIHA-LAP, LLC** 

O MA State DW Form Required PWSID#\_

Connecticut:

RUSH

Date/Time

(signature)

1652 15

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D 172-Hr O 14-Day 7.25 □ 124-Hr ■ 148-Hr

Date/Time:

39 Spruce St. East Longmeadow, MA. 01028

> P: 413-525-2332 F: 413-525-6405 www.contestlabs.com



## Sample Receipt Checklist

	Table of Conte
of 2	
DATE:	6/29/D
No No Co	oC Included
No	
No	
K TI	
er(s) 💢	
No N/A	
jun <u>4.2</u>	) 
No	
No	
subcontract sa	amples? Yes No
	lready approved
	moday application
e:	
	3
'es No ( N	I/A)
st	
	# of containers
ar jar	Z
ear jar	
ear jar	
Ziploc	
ontainer Kit	, , , , , , , , , , , , , , , , , , , ,
ottle	
jar	

CLIENT NAME: Woodard	and Curron	RECEIVED BY: ODL	DATE: 6/29/15
1) Was the chain(s) of custody re	linquished and sign	ed? Yes No	No CoC Included
2) Does the chain agree with the s If not, explain:		Yes No	
3) Are all the samples in good co- If not, explain:	ndition?	Yes No	
4) How were the samples receive	d:	_	_
On Ice 🗓 Direct from Sa	mpling 🔲 .	Ambient 🔲 🔝 In Cooler(s) 🛭	2
Were the samples received in Ten	nperature Compliand	ce of (2-6°C)? (Yes) No	N/A
Temperature °C by Temp blank		Temperature °C by Temp gun	4.2
5) Are there Dissolved samples fo		Yes No	
Who was notified		· · · · · · · · · · · · · · · · · · ·	
6) Are there any RUSH or SHORT	HOLDING TIME san	nples? Yes No	
Who was notified	Date	Time	
		Permission to subcon	tract samples? Yes No
7) Location where samples are store	d:	(Walk-in clients only)	if not already approved
., =======		Client Signature:	
B) Do all samples have the prope	r Acid pH: Yes I	No (N/A)	
•			
9) Do all samples have the prope			
10) Was the PC notified of any dis		······································	No ( N/A)
Co	ntainers rec	eived at Con-Test	
	# of containers		# of containers
1 Liter Amber	,, 01 0011011	8 oz ambericlear jar	2
500 mL Amber		4 oz amber/clear jar	
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Containe	r ,
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	
Laboratory Comments:			
40 mL vials: # HCl	# Meth	anol	Time and Date Frozen:
	· · · · · · · · · · · · · · · · · · ·	ater	
Doc# 277 # Bisultate	** L/I VV	ato:	
Rev. 4 August 2013 # Thiosulfate			

Comment

## Page 2 of 2 Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client
Answer (True/False)

Question	T/F/NA	
The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	<del>                                     </del>	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	1 T	
15) Appropriate sample containers are used.	<u> </u>	
16) Proper collection media used.	<u> </u>	
17) No headspace sample bottles are completely filled.	<u> </u>	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	MA_	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.  Who notified of Fa	alse statements?	Date/Time:
Doc #277 Rev. 4 August 2013 Log-In Technician		Date/Time: $6/29/15/750$



July 1, 2015

George Franklin Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410

Project Location: Riverfield School

Client Job Number: Project Number: 226361

Laboratory Work Order Number: 15F1437

Lua Watthington

Enclosed are results of analyses for samples received by the laboratory on June 29, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager

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Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410 ATTN: George Franklin

REPORT DATE: 7/1/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 226361

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15F1437

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

PROJECT LOCATION: Riverfield School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RES-CBC-036	15F1437-01	Product/Solid		SW-846 8082A	
RES-CBC-037	15F1437-02	Product/Solid		SW-846 8082A	



#### 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:

R-05

Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this

compound.
Analyte & Samples(s) Qualified:

Aroclor-1260

15F1437-01[RES-CBC-036], 15F1437-02[RES-CBC-037], B125167-BLK1, B125167-BS1, B125167-BSD1, B125167

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

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

Tod E. Kopyscinski Laboratory Director



Project Location: Riverfield School Sample Description: Work Order: 15F1437

Date Received: 6/29/2015

Field Sample #: RES-CBC-036

Sampled: 6/29/2015 10:15

Sample ID: 15F1437-01
Sample Matrix: Product/Solid

Polychlorinated	<b>Binhenvls</b> with	h 3540 Soxble	t Extraction
1 ory chilor mateu	Dipitchyis with	II JOTO DUAIIIC	t L'Attaction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 13:49	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 13:49	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 13:49	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 13:49	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 13:49	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 13:49	PJG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1	R-05	SW-846 8082A	6/29/15	7/1/15 13:49	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 13:49	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 13:49	PJG
Surrogates		% Recovery	Recovery Limits	S	Flag/Qual				
Decachlorobiphenyl [1]		91.9	30-150					7/1/15 13:49	
Decachlorobiphenyl [2]		76.9	30-150					7/1/15 13:49	
Tetrachloro-m-xylene [1]		84.6	30-150					7/1/15 13:49	
Tetrachloro-m-xylene [2]		78.8	30-150					7/1/15 13:49	



Project Location: Riverfield School Sample Description: Work Order: 15F1437

Date Received: 6/29/2015

Field Sample #: RES-CBC-037

Sampled: 6/29/2015 10:25

Sample ID: 15F1437-02
Sample Matrix: Product/Solid

Polychlorinated	Rinhenvls with	n 3540 Soxhlet Extract	ion
1 biyciiibi iiiatcu	Diplicity is with	I 3340 SUAIIICE EAU ACE	IUII

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:02	PJG
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:02	PJG
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:02	PJG
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:02	PJG
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:02	PJG
Aroclor-1254 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:02	PJG
Aroclor-1260 [1]	ND	0.087	mg/Kg	1	R-05	SW-846 8082A	6/29/15	7/1/15 14:02	PJG
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:02	PJG
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	6/29/15	7/1/15 14:02	PJG
Surrogates		% Recovery	Recovery Limits	i	Flag/Qual				
Decachlorobiphenyl [1]		95.8	30-150					7/1/15 14:02	
Decachlorobiphenyl [2]		80.3	30-150					7/1/15 14:02	
Tetrachloro-m-xylene [1]		94.2	30-150					7/1/15 14:02	
Tetrachloro-m-xylene [2]		86.8	30-150					7/1/15 14:02	



#### **Sample Extraction Data**

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15F1437-01 [RES-CBC-036]	B125167	2.00	10.0	06/29/15
15F1437-02 [RES-CBC-037]	B125167	2.30	10.0	06/29/15



#### 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 B125167 - SW-846 3540C										
Blank (B125167-BLK1)				Prepared: 06	5/29/15 Anal	yzed: 07/01/	15			
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							R-05
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	0.976		mg/Kg	1.00		97.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.818		mg/Kg	1.00		81.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.910		mg/Kg	1.00		91.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.835		mg/Kg	1.00		83.5	30-150			
LCS (B125167-BS1)				Prepared: 06	6/29/15 Anal	yzed: 07/01/	15			
Aroclor-1016	0.26	0.10	mg/Kg	0.250		106	40-140			
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		100	40-140			
Aroclor-1260	0.21	0.10	mg/Kg	0.250		85.0	40-140			R-05
Aroclor-1260 [2C]	0.21	0.10	mg/Kg	0.250		83.4	40-140			
Surrogate: Decachlorobiphenyl	0.698		mg/Kg	1.00		69.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.592		mg/Kg	1.00		59.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.878		mg/Kg	1.00		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.817		mg/Kg	1.00		81.7	30-150			
LCS Dup (B125167-BSD1)				Prepared: 06	6/29/15 Anal	yzed: 07/01/	15			
Aroclor-1016	0.31	0.10	mg/Kg	0.250		125	40-140	17.0	30	
Aroclor-1016 [2C]	0.31	0.10	mg/Kg	0.250		122	40-140	19.7	30	
Aroclor-1260	0.30	0.10	mg/Kg	0.250		118	40-140	32.6	* 30	R-05
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		111	40-140	28.3	30	
Surrogate: Decachlorobiphenyl	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.846		mg/Kg	1.00		84.6	30-150			
Surrogate: Tetrachloro-m-xylene	0.968		mg/Kg	1.00		96.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.884		mg/Kg	1.00		88.4	30-150			



#### QUALITY CONTROL

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B125167 - SW-846 3540C										
Matrix Spike (B125167-MS1)	Sour	ce: 15F1437-	01	Prepared: 06	5/29/15 Analy	zed: 07/01/	15			
Aroclor-1016	0.33	0.10	mg/Kg	0.250	ND	132	40-140			
Aroclor-1016 [2C]	0.31	0.10	mg/Kg	0.250	ND	123	40-140			
Aroclor-1260	0.30	0.10	mg/Kg	0.250	ND	119	40-140			
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250	ND	109	40-140			
Surrogate: Decachlorobiphenyl	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.848		mg/Kg	1.00		84.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.972		mg/Kg	1.00		97.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.883		mg/Kg	1.00		88.3	30-150			
Matrix Spike Dup (B125167-MSD1)	Sour	ce: 15F1437-	01	Prepared: 06	5/29/15 Analy	zed: 07/01/	15			
Aroclor-1016	0.33	0.10	mg/Kg	0.250	ND	130	40-140	1.19	50	
Aroclor-1016 [2C]	0.30	0.10	mg/Kg	0.250	ND	121	40-140	2.19	50	
Aroclor-1260	0.29	0.10	mg/Kg	0.250	ND	116	40-140	2.55	50	
Aroclor-1260 [2C]	0.27	0.10	mg/Kg	0.250	ND	108	40-140	1.34	50	
Surrogate: Decachlorobiphenyl	0.978		mg/Kg	1.00		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.817		mg/Kg	1.00		81.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.930		mg/Kg	1.00		93.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.846		mg/Kg	1.00		84.6	30-150			



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Lab Sample ID: B125167-BS1			Date(s) Analyzed:	07/01/2015	07/01	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL RT		RT WI	NDOW	CONCENTRATION	%D
7,07,2112	JOE	111	FROM	TO	OONOLIVITUUTION	700
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.25	5
Aroclor-1260	1	0.00	0.00	0.00	0.21	
	2	0.00	0.00	0.00	0.21	1



## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS	Dup	

Lab Sample ID:	B125167-BSD1		Date(s) Analyzed:	07/01/2015	07/01	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL RT		RT WI	NDOW	CONCENTRATION	%D
7.00.2112	002		FROM	TO	0011021111111111111	Į,
Aroclor-1016	1	0.00	0.00	0.00	0.31	
	2	0.00	0.00	0.00	0.31	1
Aroclor-1260	1	0.00	0.00	0.00	0.30	
	2	0.00	0.00	0.00	0.28	5



## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Sample ID:	B125167-MS1		Date(s) Analyzed:	07/01/2015	07/01	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	COL RT RT WINDOW CONCENTR		CONCENTRATION	%D	
7.00.2112	002		FROM	TO	0011021111111111111	Į,
Aroclor-1016	1	0.00	0.00	0.00	0.33	
	2	0.00	0.00	0.00	0.31	6
Aroclor-1260	1	0.00	0.00	0.00	0.30	
	2	0.00	0.00	0.00	0.27	10



## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Sample ID:	B125167-MSD1		Date(s) Analyzed:	07/01/2015	07/01/	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.00.2112	002		FROM	TO	00110211111111111111	705
Aroclor-1016	1	0.00	0.00	0.00	0.33	
	2	0.00	0.00	0.00	0.30	8
Aroclor-1260	1	0.00	0.00	0.00	0.29	
	2	0.00	0.00	0.00	0.27	7



#### FLAG/QUALIFIER SUMMARY

*	OC result is	s 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.

No results have been blank subtracted unless specified in the case narrative section.

R-05 Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any

reported value for this compound.



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Certifications Analyte SW-846 8082A in Product/Solid Aroclor-1016 CT,NH,NY,ME,NC,VA,NJ Aroclor-1016 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 [2C]  $CT,\!NH,\!NY,\!ME,\!NC,\!VA,\!NJ$ Aroclor-1232 CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 [2C] CT,NH,NY,ME,NC,VA,NJ

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	09/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

(|| | | CON-ESE Fax: 413-525-2332

CHAIN OF CUSTODY RECORD

39 Spruce Street East longmeadow, MA 01028

Page\_1\_of\_1

ANAIVTICALIABORATORY		Email: info@contestlabs.com	moo:	)Œ	Rev 04,05,12	<u> </u>				# of Containers
		stlabs.com								** Preservation
Company Name: Woodard & Curran	ırran		Telephone: 866-702-6371	866-702-	6371	9				***Container Code
Address: 1520 Highland Ave	1 Ave	<u></u>	Project #	226361				ANALYSIS REQUESTED	 	Dissolved Metals
Cheshire, CT 06410	06410		Slient PO#						***************************************	O Field Filtered
Attention: George Franklin	lin		DATA DELIVERY (check all that apply)	RY (check all t	hat apply)		1=			O Lab to Filter
Project Location: Kenneth Boroson Architects	Architects - Riverfield School			© EMAIL OW	OWEBSITE	. L 41.*	7777			***Cont. Code:
Sampled By: Greg Reynolds			Email:	gfranklin@woodardcurran.com	voodardcurr		xos			A=amber glass G=ølass
Project Proposal Provided? (for billing purposes) O yes	urposes) al date	LELL.	Format:	O PDF O	O EXCEL OGIS		Λq			P≂plastic ST=sterile
		Colle	Collection	O "Enhance	"Enhanced Data Package"	1	20	ď	******	V= vial
Con-Test Lab ID   Client Sample (laboratory use only)	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	*Matrix Grab Ende	nc Cade	<b>.</b>	ТОН		S=summa can T=tedlar bag
RES-	RES-CBC-036	6/29/2015	1015		<u> </u>	<b>&gt;</b>				O=Other
RES-	RES-CBC-037	6/29/2015	1025		s	<b>&gt;</b>				**
										= 1ced
										■ H = HCL M = Methanol
				***************************************	<u> </u>					N = Nitric Acid
Pag										B = Sodium bisulfate
9 16										A ≈ Na nydroxide T = Na thiosulfate
of 1										0 = Other Hexane
8 15										*Matrix Code:
F14:										GW= groundwater WW= wastewater
mments:					Plea	se use the f	ollowing co	Please use the following codes to let Con-Test know if a specific sample	a specific sample	DW= drinking water
2. PCBs by Soxhlet 2. Reporting limit ≤ 1 ug/kg. 3. 48 hr	orting limit ≤ 1 u	Ig/kg. 3. 4	-	TAT requested	ted	ı		Tay of right in concentration in Mank/Colle. Code DOX.	one box;	pilos/lios = S =
		******	H			H-High	M - Mediu	H - High; M - Medium; L - Low, C - Clean; U - Unknown	Unknown	SL = sludge
b linguished by: (signature)	Catal Times		ound 17-Day	Detection L	Detection Limit Requirements Massachusetts:	quiremen		Is your project MCP or RCP?	P or RCP?	O # other
O Control of arrest	Date Timer		10-Day Other sow	•				O MCP Form Required O RCP Form Required	pe pe	
Blinquished by: (Signature)	Date Time		RUSH †	Connecticut:				O MA State DW Form Required PWSID#	n Required PWS	
92 Serios (signature) 4.2 6/29/15	Date/Time:	☐ <sup>‡</sup> 72-Hr ☐ <sup>‡</sup> 4-Day <sup>‡</sup> Require lab approval	4-Day b approval	. Other:	\sqrt{\chi}	≤ 1 ua/ka		E D S S S S S S S S S S S S S S S S S S	with the with	Accredited WBF/DBF Certified

SOL CONCENTION OF LOCATION OF THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

ents

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



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Control of the Control	

bs.com	Sample Red	ceipt Checklist
<u>and the company of the contract of the contra</u>		
11 Janter	and Course	RECEIVED BY:

to a contract of the contract	d and Curr	AA RECEIV	ED BY: JIL	DAT	E: <u>6/29/15</u>
CLIENT NAME: Woodar					
Was the chain(s) of custody in	relinquished and s	signed?	Yes	No No	CoC Included
P) Does the chain agree with the If not, explain:	e samples?		Yes	) No	
Are all the samples in good c If not, explain:	ondition?		Yes	No	
) How were the samples receiv	red:				
on Ice 🔯 Direct from S	Sampling	Ambient	☐ In Cool	ler(s) 🗵	
ere the samples received in Te	emperature Comp	liance of (2-	6°C)? (Yes	No N/A	
emperature °C by Temp blank		Tempera	ture °C by Temp	gun <u>4.</u>	2
) Are there Dissolved samples	for the lab to filte	r?	Yes	No	
Who was notified	Date	Tim	e	•	
Are there any RUSH or SHOR	T HOLDING TIME	samples?	Yes	No	
Who was notified	Date	Tim	e		
			Permission to	subcontract	samples? Yes No
Location where samples are stor	red:	10	(Walk-in client	ts only) if not	already approved
Location where samples are stor	eu.	17	Client Signatur	• /	and any approximation
	£		- Oliche Olghata		
			3/2		
Do all samples have the prop	er Acid pH: Yes	No N/	<u> </u>		-department
,			<u> </u>		
) Do all samples have the prop	er Base pH: Ye	s No N	<b>A</b>	Yes No	N/A
) Do all samples have the prop 0) Was the PC notified of any d	er Base pH: Ye	s No N	the samples:		N/A
) Do all samples have the prop 0) Was the PC notified of any d	er Base pH: Ye iscrepancies with ontainers r	s No No the CoC vs	the samples:		N/A # of containers
Do all samples have the prop  ) Was the PC notified of any d  C	er Base pH: Ye iscrepancies with	s No No the CoC vs	the samples:	st	
Do all samples have the prop  O) Was the PC notified of any d	er Base pH: Ye iscrepancies with ontainers r	s No No the CoC vs	the samples:	ear jar	# of containers
Do all samples have the prop  O) Was the PC notified of any d  C  1 Liter Amber  500 mL Amber	er Base pH: Ye iscrepancies with ontainers r	s No No the CoC vs	the samples:  at Con-Te	ear jar	# of containers
Do all samples have the prop  ) Was the PC notified of any d  C	er Base pH: Ye iscrepancies with ontainers r	s No No the CoC vs	the samples:  at Con-Te  8 oz amber/cl  4 oz amber/cl	ear jar ear jar ear jar	# of containers
Do all samples have the prop  O) Was the PC notified of any d  C  1 Liter Amber  500 mL Amber  250 mL Amber (8oz amber)	er Base pH: Ye iscrepancies with ontainers r	s No No the CoC vs	the samples:  at Con-Te  8 oz amber/cl  4 oz amber/cl  2 oz amber/cl	ear jar ear jar ear jar Ziploc	# of containers
Do all samples have the prop  D) Was the PC notified of any d  C  1 Liter Amber  500 mL Amber  250 mL Amber (8oz amber)  1 Liter Plastic	er Base pH: Ye iscrepancies with ontainers r	s No No the CoC vs	the samples:  at Con-Te  8 oz amber/cl 4 oz amber/cl 2 oz amber/cl Plastic Bag /	ear jar ear jar ear jar Ziploc	# of containers
Do all samples have the prop  D) Was the PC notified of any d  C  1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic	er Base pH: Ye iscrepancies with ontainers r	s No No the CoC vs	the samples:  at Con-Te  8 oz amber/cl 4 oz amber/cl 2 oz amber/cl Plastic Bag / SOC Ki	ear jar ear jar ear jar Ziploc t	# of containers
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1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore	er Base pH: Ye iscrepancies with ontainers r	s No No the CoC vs	the samples:  at Con-Te  oz amber/cl 4 oz amber/cl 2 oz amber/cl Plastic Bag / SOC Kir Non-ConTest C Perchlorate Flashpoint b	ear jar ear jar ear jar Ziploc t Container e Kit	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle	er Base pH: Ye iscrepancies with ontainers r	s No No the CoC vs	the samples:  at Con-Te  oz amber/cl 4 oz amber/cl 2 oz amber/cl Plastic Bag / SOC Kii Non-ConTest C Perchlorate Flashpoint b Other glass	ear jar ear jar ear jar Ziploc t Container e Kit	# of containers
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1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore aboratory Comments:	er Base pH: Ye iscrepancies with ontainers r # of containers # # M	s No No the CoC vs eceived	the samples:  at Con-Te  oz amber/cl 4 oz amber/cl 2 oz amber/cl Plastic Bag / SOC Kii Non-ConTest C Perchlorate Flashpoint b Other glass Other	ear jar ear jar ear jar Ziploc t container e Kit cottle	# of containers 2

#### Page 2 of 2 Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client
Answer (True/False)

Question	Answer (True/False)	<u>Comment</u>
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	7	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T T	
13) Air Cassettes are not broken/open.	WA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	I T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	<i>T</i>	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.  Who notified of Fa	lse statements?	Date/Time:
Doc #277 Rev. 4 August 2013 Log-In Technician		Date/Time: 6/29/15 1750



July 1, 2015

George Franklin Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410

Project Location: Riverfield School

Client Job Number: Project Number: 226361

Laboratory Work Order Number: 15F1436

Lua Watthington

Enclosed are results of analyses for samples received by the laboratory on June 29, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager

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Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410 ATTN: George Franklin

REPORT DATE: 7/1/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 226361

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15F1436

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

PROJECT LOCATION: Riverfield School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RES-CW-031	15F1436-01	Wipe		SW-846 8082A	
RES-CW-032	15F1436-02	Wipe		SW-846 8082A	
RES-CW-033	15F1436-03	Wipe		SW-846 8082A	



#### 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:

V-05

Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side. Analyte & Samples(s) Qualified:

Aroclor-1221 B125247-BLK1 Aroclor-1268

B125247-BLK1

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

Tod E. Kopyscinski Laboratory Director



Project Location: Riverfield School Sample Description: Work Order: 15F1436

Date Received: 6/29/2015

Field Sample #: RES-CW-031 Sampled: 6/29/2015 08:40

Sample ID: 15F1436-01
Sample Matrix: Wipe

Polychlorinated	Rinhenvls with	h 3540 Soxbl	et Extraction
1 diyembi mateu	Diplicity is with	II JOTU BUAIII	Ct Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:20	PJG
Aroclor-1221 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:20	PJG
Aroclor-1232 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:20	PJG
Aroclor-1242 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:20	PJG
Aroclor-1248 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:20	PJG
Aroclor-1254 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:20	PJG
Aroclor-1260 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:20	PJG
Aroclor-1262 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:20	PJG
Aroclor-1268 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:20	PJG
Surrogates		% Recovery	Recovery Limits	3	Flag/Qual				-
Decachlorobiphenyl [1]		79.4	30-150					7/1/15 13:20	
Decachlorobiphenyl [2]		95.5	30-150					7/1/15 13:20	
Tetrachloro-m-xylene [1]		84.4	30-150					7/1/15 13:20	
Tetrachloro-m-xylene [2]		99.7	30-150					7/1/15 13:20	



Project Location: Riverfield School Sample Description: Work Order: 15F1436

Date Received: 6/29/2015

Field Sample #: RES-CW-032 Sampled: 6/29/2015 08:50

Sample ID: 15F1436-02
Sample Matrix: Wipe

Polychlorinated	<b>Binhenvls</b> with	3540 Soxble	t Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:32	PJG
Aroclor-1221 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:32	PJG
Aroclor-1232 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:32	PJG
Aroclor-1242 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:32	PJG
Aroclor-1248 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:32	PJG
Aroclor-1254 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:32	PJG
Aroclor-1260 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:32	PJG
Aroclor-1262 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:32	PJG
Aroclor-1268 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:32	PJG
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		77.8	30-150					7/1/15 13:32	
Decachlorobiphenyl [2]		92.9	30-150					7/1/15 13:32	
Tetrachloro-m-xylene [1]		82.0	30-150					7/1/15 13:32	
Tetrachloro-m-xylene [2]		96.7	30-150					7/1/15 13:32	



Project Location: Riverfield School Sample Description: Work Order: 15F1436

Date Received: 6/29/2015

Field Sample #: RES-CW-033 Sampled: 6/29/2015 09:00

Sample ID: 15F1436-03
Sample Matrix: Wipe

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:45	PJG
Aroclor-1221 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:45	PJG
Aroclor-1232 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:45	PJG
Aroclor-1242 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:45	PJG
Aroclor-1248 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:45	PJG
Aroclor-1254 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:45	PJG
Aroclor-1260 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:45	PJG
Aroclor-1262 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:45	PJG
Aroclor-1268 [2]	ND	0.20	μg/Wipe	1		SW-846 8082A	6/30/15	7/1/15 13:45	PJG
Surrogates		% Recovery	Recovery Limits	;	Flag/Qual				
Decachlorobiphenyl [1]		80.9	30-150					7/1/15 13:45	
Decachlorobiphenyl [2]		96.6	30-150					7/1/15 13:45	
Tetrachloro-m-xylene [1]		83.2	30-150					7/1/15 13:45	
Tetrachloro-m-xylene [2]		97.7	30-150					7/1/15 13:45	



#### **Sample Extraction Data**

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
15F1436-01 [RES-CW-031]	B125247	1.00	10.0	06/30/15
15F1436-02 [RES-CW-032]	B125247	1.00	10.0	06/30/15
15F1436-03 [RES-CW-033]	B125247	1.00	10.0	06/30/15



#### QUALITY CONTROL

Spike

Source

%REC

RPD

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B125247 - SW-846 3540C										
Blank (B125247-BLK1)				Prepared: 06	5/30/15 Anal	yzed: 07/01/1	15			
Aroclor-1016	ND	0.20	μg/Wipe							
Aroclor-1016 [2C]	ND	0.20	μg/Wipe							
Aroclor-1221	ND	0.20	μg/Wipe							V-05
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							V-05
Aroclor-1268 [2C]	ND	0.20	μg/Wipe							
Surrogate: Decachlorobiphenyl	1.59		μg/Wipe	2.00		79.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.89		μg/Wipe	2.00		94.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.72		μg/Wipe	2.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.01		$\mu g/Wipe$	2.00		101	30-150			
LCS (B125247-BS1)				Prepared: 06	5/30/15 Anal	yzed: 07/01/1	5			
Aroclor-1016	0.59	0.20	μg/Wipe	0.500		118	40-140			
Aroclor-1016 [2C]	0.61	0.20	μg/Wipe	0.500		121	40-140			
Aroclor-1260	0.54	0.20	μg/Wipe	0.500		108	40-140			
Aroclor-1260 [2C]	0.55	0.20	μg/Wipe	0.500		111	40-140			
Surrogate: Decachlorobiphenyl	1.60		μg/Wipe	2.00		80.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.93		μg/Wipe	2.00		96.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.72		μg/Wipe	2.00		85.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.01		$\mu g/Wipe$	2.00		100	30-150			
LCS Dup (B125247-BSD1)				Prepared: 06	5/30/15 Anal	yzed: 07/01/1	5			
Aroclor-1016	0.59	0.20	μg/Wipe	0.500		119	40-140	0.115	30	
Aroclor-1016 [2C]	0.64	0.20	μg/Wipe	0.500		127	40-140	4.63	30	
Aroclor-1260	0.52	0.20	μg/Wipe	0.500		104	40-140	4.30	30	
Aroclor-1260 [2C]	0.53	0.20	μg/Wipe	0.500		107	40-140	3.38	30	
Surrogate: Decachlorobiphenyl	1.58	·	μg/Wipe	2.00		78.9	30-150		·	
Surrogate: Decachlorobiphenyl [2C]	1.90		μg/Wipe	2.00		95.1	30-150			
Surrogate: Tetrachloro-m-xylene	1.66		μg/Wipe	2.00		83.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.95		μg/Wipe	2.00		97.6	30-150			



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS		

Lab Sample ID:	B125247-BS1		Date(s) Analyzed:	07/01/2015	07/01	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
7.10/12112	002	111	FROM	TO	OONOLIVITUUTION	700
Aroclor-1016	1	0.00	0.00	0.00	0.59	
	2	0.00	0.00	0.00	0.61	3
Aroclor-1260	1	0.00	0.00	0.00	0.54	
	2	0.00	0.00	0.00	0.55	2



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS	Dup	

Lab Sample ID:	B125247-BSD1		Date(s) Analyzed:	07/01/2015	07/01	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.00.2112	002		FROM	TO	00110211111111111111	702
Aroclor-1016	1	0.00	0.00	0.00	0.59	
	2	0.00	0.00	0.00	0.64	8
Aroclor-1260	1	0.00	0.00	0.00	0.52	
	2	0.00	0.00	0.00	0.53	2



#### FLAG/QUALIFIER SUMMARY

*	OC result is	s 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.

No results have been blank subtracted unless specified in the case narrative section.

V-05 Continuing calibration did not meet method specifications and was biased on the low side for this compound.

Increased uncertainty is associated with the reported value which is likely to be biased on the low side.



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Analyte Certifications

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publile Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	09/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

CONTRACTOR A 13-525-2332

CHAIN OF CUSTODY RECORD

East longmeadow, MA 01028 39 Spruce Street

~--

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Page

	405				TOTAL MARKET THE COLOR		
ANALYTICAL LABORATORY Email: info@contestlabs.com	ntestlabs.com	71.co.to ven	-			#	# of Containers
www.contestlabs.com	.com		0			*	** Preservation
	Telephone:	Telephone: 866-702-6371	G			¥	***Container Code
	Project #	226361		ANALY	ANALYSIS REQUESTED		Dissolved Metals
Cheshire, CT 06410	Client PO#		<b>,</b>				O Field Filtered

Company Name: Woodard & Curran		,	Telephone: 866-702-6371	866-702·	-6371		တ	<u>,</u>			***Container Code
Address: 1520 Highland Ave			Project #	226361					ANALYSIS REQUESTED		Dissolved Metals
Cheshire, CT 06410			Client PO#				T		Acceptance to the contract of	***********	O Field Filtered
Attention: George Franklin	WATER STANDARD CONTRACTOR CONTRAC		DATA DELIVE	SELIVERY (check all that apply)	k all that apply		tə et				O Lab to Filter
Project Location: Kenneth Boroson Architects - Riverfield School	cts - Riverfield				reboil c		ТЧΣ				***Cont. Code:
Sampled By: Greg Reynolds				gfranklin@woodardcurran.com	woodarc	curran.co					A=amber glass
Project Proposal Provided? (for billing purposes) O yes			Format:	O PDF O	O EXCEL	OGIS	γq				P=plastic ST=sterile
		Colle	Collection	O "Enhand	"Enhanced Data Package"	ackage"	S {		¹D		V=vial
Con-Test Lab ID   Client Sample ID / Description	़—	Beginning Date/Time	Ending Date/Time	Composite	Grab	*Matrix Conc Cade	bCΕ <u>₽</u> Ι		IOH		S=summa can T≃tedlar bag
RES-CW-031		6/29/2015	840		×	<b>)</b>	>				0=Other
RES-CW-032		6/29/2015	850		×	<u>э</u> 。	>				** Preceivation
CS RES-CW-033		6/29/2015	006		×	<b>n</b>	>				=  ced
											<b>H</b> = HCL <b>M</b> = Methanol
											N = Nitric Acid S = Suffiric Acid
											<b>B</b> = Sodium bisulfate
											A = Na nydroxide T = Na thiosulfate
							_				O = Other Hexane
											*Matrix Code:
											GW= groundwater WW= wastewater
Comments:						Please use	the fo	lowing co	Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Con Code Box	fic sample	DW= drinking water A = air
1. PCBs by Soxhlet 2. Reporting limit ≤ 1 ug hexane wipe. 3. 48	≤ 1 ug hexa	ine wipe.	3. 48 hr T	hr TAT requested		¥ ,	7		may be right in Collectington in Mail Notice. Code DUX.	! ! ! ! }	

WBE/DBE Certified NELAC & AIHA-LAP, LLC URNAROUND 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 Accredited O MA State DW Form Required PWSID #\_ O MCP Form Required O RCP Form Required ≤1 ug/kg Connecticut: Other: † Require lab approval Other spay 10-Day Date/Time: RUSH <sup>†</sup> O 172-Hr O 14-Day RUSH <sup>†</sup> Date/Time: Date/Time: nguished by: (signature) of by: (signature) idhature)

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O = other WIPE SL = sludge

Is your project MCP or RCP?

H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Detection Limit Requirements** 

Turnaround

Date/Time

Relinquished by: (signature)

Massachusetts:

7-Day

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

#### 39 Spruce St. East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405 www.contestlabs.com



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# Table of Contents

## Sample Receipt Checklist

CLIENT NAME: Woodard	ind Curran	RECEIVED BY:	DATE: 6/29/15				
1) Was the chain(s) of custody rel	inquished and sign	ed? Yes	No No CoC Included				
2) Does the chain agree with the s	amples?	Yes	No				
If not, explain:							
3) Are all the samples in good con If not, explain:	dition?	Yes	) No				
4) How were the samples received	l:						
On Ice 🖾 Direct from San	npling 🗌 .	Ambient 🗌 In Coo	oler(s) 🛛				
Were the samples received in Tem	perature Compliand	ce of (2-6°C)? (Yes)	No N/A				
Temperature °C by Temp blank		Temperature °C by Temp	gun 4.2				
5) Are there Dissolved samples fo	r the lab to filter?	Yes	(No)				
Who was notified	Date	Time					
6) Are there any RUSH or SHORT	HOLDING TIME san	nples? Yes	No				
Who was notified	Date	Time					
7) Location where samples are stored	1:	10	subcontract samples? Yes No ats only) if not already approved are:				
8) Do all samples have the proper	Acid pH: Yes !	No N/A					
9) Do all samples have the proper Base pH: Yes No N/A							
•			Yes No N/A				
10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No NA  Containers received at Con-Test							
The state of the s	# of containers		# of containers				
1 Liter Amber	# Of Cornaincis	8 oz amber/c					
500 mL Amber		4 oz amber/¢					
250 mL Amber (8oz amber)		2 oz amber/c	lear jar				
1 Liter Plastic		Plastic Bag /	Ziploc				
500 mL Plastic		SOC K					
250 mL plastic		Non-ConTest C					
40 mL Vial - type listed below		Perchlorat					
Colisure / bacteria bottle		Flashpoint					
Dissolved Oxygen bottle		Other glas	**************************************				
Encore Laboratory Comments:		Other					
			Time and Date Frozen:				
40 mL vials: # HCI	# Meth	anol					
Doc# 277 # Bisulfate _	# DI W	ater	_				
Rev. 4 August 2013 # Thiosulfate		erved					

#### Page 2 of 2 Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA NA	
The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	T	
Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	I T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	<u></u>	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	Ţ.	
16) Proper collection media used.	<u> </u>	
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	N/A	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.  Who notified of Fa	alse statements?	Date/Time: / /
Doc #277 Rev. 4 August 2013 Log-In Technician	- I ( )	Pate/Time: 6/29/15 175



July 6, 2015

George Franklin Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410

Project Location: Kenneth Boroson Architects- Riverfield School

Client Job Number: Project Number: 226361

Laboratory Work Order Number: 15G0028

Lua Watthington

Enclosed are results of analyses for samples received by the laboratory on July 1, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager

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Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410 ATTN: George Franklin

REPORT DATE: 7/6/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 226361

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15G0028

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

PROJECT LOCATION: Kenneth Boroson Architects- Riverfield School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB	
RES-CBC-038	15G0028-01	Product/Solid		SW-846 8082A		
RES-CBC-039	15G0028-02	Product/Solid		SW-846 8082A		



#### CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

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

Tod E. Kopyscinski Laboratory Director



Project Location: Kenneth Boroson Architects- Rive Sample Description: Work Order: 15G0028

Date Received: 7/1/2015

**Field Sample #: RES-CBC-038** Sampled: 6/30/2015 14:30

Sample ID: 15G0028-01
Sample Matrix: Product/Solid

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1	<b>g</b>	SW-846 8082A	7/1/15	7/3/15 12:39	PJG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:39	PJG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:39	PJG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:39	PJG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:39	PJG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:39	PJG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:39	PJG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:39	PJG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:39	PJG
Surrogates		% Recovery	Recovery Limits	3	Flag/Qual				
Decachlorobiphenyl [1]		98.7	30-150					7/3/15 12:39	
Decachlorobiphenyl [2]		108	30-150					7/3/15 12:39	
Tetrachloro-m-xylene [1]		95.4	30-150					7/3/15 12:39	
Tetrachloro-m-xylene [2]		100	30-150					7/3/15 12:39	



Project Location: Kenneth Boroson Architects- Rive Sample Description: Work Order: 15G0028

Date Received: 7/1/2015

**Field Sample #: RES-CBC-039** Sampled: 6/30/2015 14:45

Sample ID: 15G0028-02
Sample Matrix: Product/Solid

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:56	PJG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:56	PJG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:56	PJG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:56	PJG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:56	PJG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:56	PJG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:56	PJG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:56	PJG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	7/1/15	7/3/15 12:56	PJG
Surrogates		% Recovery	Recovery Limits	S	Flag/Qual				
Decachlorobiphenyl [1]		88.8	30-150					7/3/15 12:56	
Decachlorobiphenyl [2]		95.4	30-150					7/3/15 12:56	
Tetrachloro-m-xylene [1]		84.4	30-150					7/3/15 12:56	
Tetrachloro-m-xylene [2]		89.9	30-150					7/3/15 12:56	



#### **Sample Extraction Data**

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G0028-01 [RES-CBC-038]	B125372	2.04	10.0	07/01/15
15G0028-02 [RES-CBC-039]	B125372	2.03	10.0	07/01/15



#### 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 B125372 - SW-846 3540C										
Blank (B125372-BLK1)				Prepared: 07	//01/15 Anal	yzed: 07/03/	15			
Aroclor-1016	ND	0.095	mg/Kg							
Aroclor-1016 [2C]	ND	0.095	mg/Kg							
Aroclor-1221	ND	0.095	mg/Kg							
Aroclor-1221 [2C]	ND	0.095	mg/Kg							
Aroclor-1232	ND	0.095	mg/Kg							
Aroclor-1232 [2C]	ND	0.095	mg/Kg							
Aroclor-1242	ND	0.095	mg/Kg							
Aroclor-1242 [2C]	ND	0.095	mg/Kg							
Aroclor-1248	ND	0.095	mg/Kg							
Aroclor-1248 [2C]	ND	0.095	mg/Kg							
Aroclor-1254	ND	0.095	mg/Kg							
Aroclor-1254 [2C]	ND	0.095	mg/Kg							
Aroclor-1260	ND	0.095	mg/Kg							
Aroclor-1260 [2C]	ND	0.095	mg/Kg							
Aroclor-1262	ND	0.095	mg/Kg							
Aroclor-1262 [2C]	ND	0.095	mg/Kg							
Aroclor-1268	ND	0.095	mg/Kg							
Aroclor-1268 [2C]	ND	0.095	mg/Kg							
Surrogate: Decachlorobiphenyl	0.846		mg/Kg	0.952		88.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.917		mg/Kg	0.952		96.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.783		mg/Kg	0.952		82.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.835		mg/Kg	0.952		87.6	30-150			
LCS (B125372-BS1)				Prepared: 07	//01/15 Anal	yzed: 07/03/	15			
Aroclor-1016	0.22	0.094	mg/Kg	0.235		91.6	40-140			
Aroclor-1016 [2C]	0.21	0.094	mg/Kg	0.235		91.2	40-140			
Aroclor-1260	0.22	0.094	mg/Kg	0.235		92.1	40-140			
Aroclor-1260 [2C]	0.21	0.094	mg/Kg	0.235		88.9	40-140			
Surrogate: Decachlorobiphenyl	0.753		mg/Kg	0.939		80.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.819		mg/Kg	0.939		87.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.717		mg/Kg	0.939		76.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.761		mg/Kg	0.939		81.0	30-150			
LCS Dup (B125372-BSD1)				Prepared: 07	//01/15 Anal	yzed: 07/03/	15			
Aroclor-1016	0.27	0.099	mg/Kg	0.246		110	40-140	22.6	30	
Aroclor-1016 [2C]	0.24	0.099	mg/Kg	0.246		98.6	40-140	12.6	30	
Aroclor-1260	0.26	0.099	mg/Kg	0.246		105	40-140	18.1	30	
Aroclor-1260 [2C]	0.25	0.099	mg/Kg	0.246		103	40-140	19.4	30	
Surrogate: Decachlorobiphenyl	0.932		mg/Kg	0.985		94.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.01		mg/Kg	0.985		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.899		mg/Kg	0.985		91.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.953		mg/Kg	0.985		96.8	30-150			



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS	

Lab Sample ID:	B125372-BS1		Date(s) Analyzed:	07/03/2015	07/03/2	2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.10/12112	OOL	111	FROM	TO	OONOLIVITUUTION	700
Aroclor-1016	1	0.00	0.00	0.00	0.22	
	2	0.00	0.00	0.00	0.21	2
Aroclor-1260	1	0.00	0.00	0.00	0.22	
	2	0.00	0.00	0.00	0.21	3



## IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS	Dup	

Lab Sample ID:	B125372-BSD1		Date(s) Analyzed:	07/03/2015	07/03	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.10/12112	OOL	111	FROM	TO	OONOLIVITUUTION	700
Aroclor-1016	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.24	12
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.25	4



#### 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.

No results have been blank subtracted unless specified in the case narrative section.



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Certifications Analyte SW-846 8082A in Product/Solid Aroclor-1016 CT,NH,NY,ME,NC,VA,NJ Aroclor-1016 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 [2C] CT,NH,NY,ME,NC,VA,NJ

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	09/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

WBE/DBE Certified

NELAC & AIHA-LAP, LLC

Accredited

COP EES Fax: 413-525-2332

Fax: 413-525-6405

ANALYTICAL LABORATORY

Email: info@contestla

East longmeadow, MA 01028 39 Spruce Street

Page 1 of 1

	ANALYTICAL LABORATORY Email: ini	Email: info@contestlabs.com	os.com	Rev 04,05,12	<b>-</b>		# of Containers	,
	_	www.contestlabs.com					** Preservation	<u> </u>
Company Name: Woodard & Curran	oodard & Curran		Telephone:	Telephone: 866-702-6371	<u>ඉ</u>		***Container Code	g g
Address: 15	1520 Highland Ave		Project #	226361		ANALYSIS REQUESTED	Dissolved Metals	S).
Ō	Cheshire, CT 06410		Client PO#	TANAMAN MANAGAMAN AND AND AND AND AND AND AND AND AND A			O Field Fillered	
Attention: G	George Franklin		DATA DELIV		дə		O Lab to Filter	valis. Asav
Project Location: Ke	Project Location: Kenneth Boroson Architects - Riverfield School	field School	Fax#	CIVIAIL CIVIEBBILE	ŢЧ		***Cont. Code:	
Sampled By: Greg Reynolds	ig Reynolds		Email:	gfranklin@woodardcurran.com	KOS		A=amber glass	
Project Proposal Prov Oves	Project Proposal Provided? (for billing purposes) O ves		Format:	O PDF O EXCEL OGIS O OTHER	γq		P=plastic ST=sterile	
***************************************	,	O)	Collection	O "Enhanced Data Package"	S	'D	V= vial	
Con-Test Lab ID	Con-Test Lab ID   Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	<del> </del>	ьсв	ПОП	S=summa can T=tedlar bag	

			H - High; M - Me		SL = sludge
Relinquished by; (signature)	Date/Time:	Turnaround T	Detection Limit Requirements	rnaround † Detection Limit Requirements	O = other
Another My		☐ 7-Day	Massachusetts.	is your project inick or KCP ?	
Regular Signature) // /	Date/Time:	O 10-Day		O MCP Form Required	
COWINGAL MIG	1000	Other 50%		O RCP Form Required	
Relinquished by: (signature)	Date/Time.	RUSH	Connecticut:	O MA State DW Form Required PWSID#	#
1000 1 Made 21415	1630 0 124-Hr	J †24-Hr 👰 †48-Hr		Williamster Control NELAC &	NELAC & AIHA-LAP, LLC

B = Sodium bisulfate

S = Sulfuric Acid

M = Methanol N = Nitric Acid

H=HCL l= lced

\*\*Preservation

Composite Grab

Client Sample ID / Description RES-CBC-038 RES-CBB-039

6/30/2015 6/30/2015

× ×

 $\supset$  $\supset$ 

w

1445 1430

0=Other

T = Na thiosulfate X = Na hydroxide

0 = Other Hexane

DW= drinking water

Please use the following codes to let Con-Test know if a specific sample

may be high in concentration in Matrix/Conc. Code Box:

1. PCBs by Soxhlet 2. Reporting limit ≤ 1 ug/kg. 3. 48 hr TAT requested

Comments

S = soil/solid

GW= groundwater WW= wastewater

\*Matrix Code:

ANALAS LID ACCESTIBILISMATOR Connecticut: Other: gived by: (signature)  $5.6^{\circ}$  7/1//5  $16.30^{\circ}$  1 Require 1ab approval

Page 13 of 15

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

The second secon

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

F: 413-525-6405 www.contestlabs.com



Page 1 of 2



Page 14 of 15

### Sample Receipt Checklist

CLIENT NAME: Wooderd d	e Curran	REC	EIVED BY:	_KE	3	DATE: 7///	//5
1) Was the chain(s) of custody	-	gned?		Yes	No	No CoC Inclu	ıded
2) Does the chain agree with the If not, explain:	e samples?			Yes	No		
3) Are all the samples in good c If not, explain:	ondition?			Yes	No		
4) How were the samples receiv	ed:					_	
On Ice Direct from S	ampling	Ambi	ent 🗌	In Coo	ler(s)	3	
Were the samples received in Te	emperature Complia	ance of	(2-6°C)?	Yes	No	N/A	
remperature °C by Temp blank		Temp	perature °C	by Temp	gun	5.6°	····
6) Are there Dissolved samples	for the lab to filter?	•		Yes	No		
Who was notified	Date	<u> </u>	Time				
6) Are there any RUSH or SHOR	T HOLDING TIME s	amples	?	Yes	No		
Who was notified	Date	<del> </del>	Time				
			Perm	nission to	subcor	tract samples?	Yes No
) Location where samples are stor	ed:		  (Wal	k-in clien	ts only)	if not already a	pproved
,			11	nt Signatu	• ,		
De all cannot be be the array	an Anial alla Van	Al-		it Oignata			
Do all samples have the prop	-	· ·	N/A)				
) Do all samples have the prop	er Base pH: Yes	No	(N/A)	***************************************			
0) Was the PC notified of any d					olympianimetry Assisti	No (N/A)	
C	ontainers re	ceiv	ed at C	on-le	est		
	# of containers					# of 0	containers
1 Liter Amber		] [	8 oz	amber/cl	ear jar	Ĭ.	
500 mL Amber			4 oz	amber/cl	ear jar		
250 mL Amber (8oz amber)			2 oz	amber/cl	ear jar	· ·	
1 Liter Plastic		1 1	Plas	stic Bag /	Ziploc		
500 mL Plastic				SOC Ki	t		
250 mL plastic		_		onTest C		r	
40 mL Vial - type listed below		4 1		erchlorate			
Colisure / bacteria bottle		4 1		shpoint b	<del></del>		
Dissolved Oxygen bottle		<b>⅃</b> ┃	0	ther glass	s jar		
Encore				Other			
aboratory Comments:		*******************************					
40 mL vials: # HCl	# Me	thanol				Time and Date Fr	ozen:
oc# 277 # Bisulfate		 Water					
tev. 4 August 2013 # Thiosulfate		 eserved	······································	***************************************			

### Page 2 of 2 <u>Login Sample Receipt Checklist</u>

### (Rejection Criteria Listing - Using Sample Acceptance Policy) Any False statement will be brought to the attention of Client

Question	Answer (True/False)	Comment
	T/F/NA	
The cooler's custody seal, if present, is intact.	I NA I	
		W. W
2) The cooler or samples do not appear to have		
been compromised or tampered with.		
3) Samples were received on ice.	7	
with the state of	7	
4) Cooler Temperature is acceptable.		
El Caplas Tamanantina is recorded	T	
5) Cooler Temperature is recorded.		
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.		
0) Field Complete Tonne 1000	T	
8) Field Sampler's name present on COC.	(	
9) There are no discrepancies between the		
sample IDs on the container and the COC.		
10) Samples are received within Holding Time.		
11) Sample containers have legible labels.	T	
11) Sample containers have regible labels.	<u>'</u>	
12) Containers are not broken or leaking.	/	
	WA	
13) Air Cassettes are not broken/open.	10/1	
14) Sample collection date/times are provided.		
14) Gample collection date/times are provided.		
15) Appropriate sample containers are used.	1 7	
16) Proper collection media used.	<u> </u>	
17) No headspace sample bottles are completely filled.	F	
17) No nedapado dampio botado di o completo, mica.		
18) There is sufficient volume for all requsted	T	
analyses, including any requested MS/MSDs.		
10) Trip blocks provided if applicable	NA	
19) Trip blanks provided if applicable.		
20) VOA sample vials do not have head space or	, , ,	
bubble is <6mm (1/4") in diameter.	NA	
	<del></del>	
21) Samples do not require splitting or compositing.		
Who notified of Fa		Date/Time: 7/1/15
Doc #277 Rev. 4 August 2013 Log-In Technician	minais.	<del>-</del>
	11O	16:30



July 10, 2015

George Franklin Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410

Project Location: Kenneth Boroson Architects - Riverfield School

Client Job Number: Project Number: 226361

Laboratory Work Order Number: 15G0312

Lua Watthington

Enclosed are results of analyses for samples received by the laboratory on July 8, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager

### **Table of Contents**

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Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410 ATTN: George Franklin

REPORT DATE: 7/10/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 226361

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15G0312

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

PROJECT LOCATION: Kenneth Boroson Architects - Riverfield School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RES-CBC-043	15G0312-01	Product/Solid		SW-846 8082A	
RES-CBB-044	15G0312-02	Product/Solid		SW-846 8082A	



#### CASE NARRATIVE SUMMARY

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

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

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

Johanna K. Harrington

Manager, Laboratory Reporting



Project Location: Kenneth Boroson Architects - Riv Sample Description: Work Order: 15G0312

Date Received: 7/8/2015

Field Sample #: RES-CBC-043 Sampled: 7/7/2015 11:45

Sample ID: 15G0312-01
Sample Matrix: Product/Solid

Polychlorinated 1	Biphenyls with 3540 Soxhlet Extractio	n

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:42	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:42	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:42	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:42	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:42	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:42	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:42	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:42	KAL
Aroclor-1268 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:42	KAL
Surrogates		% Recovery	Recovery Limits	;	Flag/Qual				
Decachlorobiphenyl [1]		92.4	30-150					7/10/15 11:42	
Decachlorobiphenyl [2]		94.8	30-150					7/10/15 11:42	
Tetrachloro-m-xylene [1]		95.1	30-150					7/10/15 11:42	
Tetrachloro-m-xylene [2]		93.3	30-150					7/10/15 11:42	



Project Location: Kenneth Boroson Architects - Riv Sample Description: Work Order: 15G0312

Date Received: 7/8/2015

Field Sample #: RES-CBB-044 Sampled: 7/7/2015 12:00

Sample ID: 15G0312-02
Sample Matrix: Product/Solid

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:55	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:55	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:55	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:55	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:55	KAL
Aroclor-1254 [2]	0.12	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:55	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:55	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:55	KAL
Aroclor-1268 [2]	ND	0.10	mg/Kg	1		SW-846 8082A	7/9/15	7/10/15 11:55	KAL
Surrogates		% Recovery	Recovery Limits	i	Flag/Qual				
Decachlorobiphenyl [1]		90.0	30-150					7/10/15 11:55	
Decachlorobiphenyl [2]		93.7	30-150					7/10/15 11:55	
Tetrachloro-m-xylene [1]		92.3	30-150					7/10/15 11:55	
Tetrachloro-m-xylene [2]		92.0	30-150					7/10/15 11:55	



#### **Sample Extraction Data**

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G0312-01 [RES-CBC-043]	B125816	2.00	10.0	07/09/15
15G0312-02 [RES-CBB-044]	B125816	2.00	10.0	07/09/15



#### 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 B125816 - SW-846 3540C										
Blank (B125816-BLK1)				Prepared: 07	7/09/15 Anal	yzed: 07/10/1	5			
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	0.935		mg/Kg	1.00		93.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.942		mg/Kg	1.00		94.2	30-150			
Surrogate: Tetrachloro-m-xylene	1.00		mg/Kg	1.00		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.990		mg/Kg	1.00		99.0	30-150			
LCS (B125816-BS1)				Prepared: 07	7/09/15 Anal	yzed: 07/10/1	5			
Aroclor-1016	0.25	0.10	mg/Kg	0.250		99.3	40-140			
Aroclor-1016 [2C]	0.29	0.10	mg/Kg	0.250		116	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250		103	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		112	40-140			
Surrogate: Decachlorobiphenyl	0.877		mg/Kg	1.00		87.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.894		mg/Kg	1.00		89.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.908		mg/Kg	1.00		90.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.893		mg/Kg	1.00		89.3	30-150			
LCS Dup (B125816-BSD1)				Prepared: 07	7/09/15 Anal	yzed: 07/10/1	5			
Aroclor-1016	0.26	0.10	mg/Kg	0.250		105	40-140	5.74	30	
Aroclor-1016 [2C]	0.30	0.10	mg/Kg	0.250		120	40-140	2.64	30	
Aroclor-1260	0.27	0.10	mg/Kg	0.250		108	40-140	5.48	30	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250		117	40-140	4.26	30	
Surrogate: Decachlorobiphenyl	0.906		mg/Kg	1.00		90.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.923		mg/Kg	1.00		92.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.977		mg/Kg	1.00		97.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.958		mg/Kg	1.00		95.8	30-150			



#### QUALITY CONTROL

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B125816 - SW-846 3540C										
Matrix Spike (B125816-MS1)	Sour	ce: 15G0312-	-01	Prepared: 07	7/09/15 Analyz	zed: 07/10/	15			
Aroclor-1016	0.28	0.10	mg/Kg	0.250	ND	110	40-140			
Aroclor-1016 [2C]	0.34	0.10	mg/Kg	0.250	ND	136	40-140			
Aroclor-1260	0.26	0.10	mg/Kg	0.250	ND	106	40-140			
Aroclor-1260 [2C]	0.30	0.10	mg/Kg	0.250	ND	119	40-140			
Surrogate: Decachlorobiphenyl	0.894		mg/Kg	1.00		89.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.934		mg/Kg	1.00		93.4	30-150			
Surrogate: Tetrachloro-m-xylene	0.940		mg/Kg	1.00		94.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.931		mg/Kg	1.00		93.1	30-150			
Matrix Spike Dup (B125816-MSD1)	Sour	ce: 15G0312-	-01	Prepared: 07	7/09/15 Analyz	zed: 07/10/	15			
Aroclor-1016	0.28	0.10	mg/Kg	0.250	ND	112	40-140	1.79	50	
Aroclor-1016 [2C]	0.33	0.10	mg/Kg	0.250	ND	132	40-140	2.51	50	
Aroclor-1260	0.25	0.10	mg/Kg	0.250	ND	101	40-140	4.65	50	
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.250	ND	114	40-140	3.77	50	
Surrogate: Decachlorobiphenyl	0.854		mg/Kg	1.00		85.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.898		mg/Kg	1.00		89.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.895		mg/Kg	1.00		89.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.893		mg/Kg	1.00		89.3	30-150			



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS		
LC2		

Lab Sample ID:	B125816-BS1		Date(s) Analyzed:	07/10/2015	07/10	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WII	NDOW	CONCENTRATION	%D
ANACTIC	OOL	111	FROM	TO	OONOLIVITUATION	700
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.29	16
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	9



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS	Dup	

Lab Sample ID:	B125816-BSD1		Date(s) Analyzed:	07/10/2015	07/10	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
7.1.0.12.1.2	002		FROM	TO	00110211111111111111	702
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.30	13
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.29	7



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Sample ID:	B125816-MS1		Date(s) Analyzed:	07/10/2015	07/10	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
7.1.0.1211.2	002		FROM	TO	00110211111111111111	702
Aroclor-1016	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.34	21
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.30	13



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Sample ID:	B125816-MSD1		Date(s) Analyzed:	07/10/2015	07/10	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
7.10.12.1.2	002		FROM	TO	00110211111111111111	702
Aroclor-1016	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.33	16
Aroclor-1260	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.29	14



#### 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.

No results have been blank subtracted unless specified in the case narrative section.



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Aroclor-1260 [2C]

Certifications Analyte SW-846 8082A in Product/Solid Aroclor-1016 CT,NH,NY,ME,NC,VA,NJ Aroclor-1016 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 [2C]  $CT,\!NH,\!NY,\!ME,\!NC,\!VA,\!NJ$ Aroclor-1232 CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 CT,NH,NY,ME,NC,VA,NJ

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	09/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

CT,NH,NY,ME,NC,VA,NJ

CON-LESE B Phone: 413-525-2332 ANALYTICAL LABORATORY

East longmeadow, MA 01028 39 Spruce Street

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Page\_

\*\*\*Container Code Dissolved Metals O Field Filtered # of Containers \*\* Preservation O Lab to Filter \*\*\*Cont. Code: A=amber glass P=plastic G=glass **ANALYSIS REQUESTED** Fax: 413-525-6405 5 6 0 3 2 Email: info@contestlabs.com Soxhlet λq တ jhamel@woodardcurran.com gfranklin@woodardcurran.com DATA DELIVERY (check all that apply) Telephone: 866-702-6371 **© EMAIL** OWEBSITE 226361 Client PO# Project# O FAX Fax# Email: Project Location: Kenneth Boroson Architects - Riverfield School Cheshire, CT 06410 1520 Highland Ave Company Name: Woodard & Curran George Franklin **Greg Reynolds** 

ST-sterile

OGIS

**O EXCEL** 

O PDF

Format:

Project Proposal Provided? (for billing purposes)

O yes.

Sampled By:

Attention:

Address:

proposal date

O OTHER

DW= drinking water B = Sodium bisulfate GW= groundwater WW= wastewater T = Na thiosulfate X = Na hydroxide S = Sulfuric Acid \*\*Preservation 0 = Other Hexane \*Matrix Code: M = Methanol N = Nitric Acid S=summa can T=tedlar bag H= H = tced V= vial A = air Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box: HOLD **b**CB2 Conc Code  $\Box$  $\supset$ O "Enhanced Data Package" Composite Grab Lade co. × × Date/Time 1145 1200 Ending Collection 7/7/2015 7/7/2015 Beginning Date/Time Client Sample ID / Description RES-CBC-043 RES-CBB-044 Con-Test Lab ID なり Comments

WBE/DBE Certified THE 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 PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT Accredited INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY DUR CLIENT. \* Require lab approval | Other: ☐ <sup>†</sup>72-Hr ☐ <sup>†</sup>4-Day Date/Time: () () ()

Table of Contents

NELAC & AIHA-LAP, LLC

O MA State DW Form Required PWSID#\_

S = soil/solid

SL = sludge

0 = other

Is your project MCP or RCP?

O MCP Form Required RCP Form Required

H - High; M - Medium; L - Low; C - Clean; U - Unknown

**Detection Limit Requirements** 

Turnaround T

Massachusetts:

7-Day

7815/1315 Date/Time:

apple (signature

Date/Time:

Connecticut:

1 t24-Hr

Other 5 Day

RUSH

Date/Time:

red by: (signerture)

ceived by: (signature)

vad by: (signature)

16 of 18

2

10-Day

1. PCBs by Soxhlet 2. Reporting limit ≤ 1 ug/kg. 3. 48 hr TAT requested

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



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### **Sample Receipt Checklist**

CLIENT NAME: (L) DOCKER	d & Curran	TICEOFIVED DI.	<u> </u>	DATE:
1) Was the chain(s) of custody r	relinquished and sig	ned?	Yes No	No CoC Included
2) Does the chain agree with the lf not, explain:	e samples?		Yes No	
3) Are all the samples in good could be sam	ondition?		Yes No	
4) How were the samples receiv	red:			
On Ice Direct from S	ampling	Ambient	In Cooler(s)	
Were the samples received in Te	emperature Complia	nce of (2-6°C)?	Yes No	N/A
Temperature °C by Temp blank		_Temperature °C t	y 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 SHOR	T HOLDING TIME sa	amples?	Yes No	
Who was notified	Date	Time		
*******			ission to subco	ntract samples? Yes No
7) Location where samples are stor	red:	(Wall	c-in clients only	) if not already approved
1) Location where samples are stor	eu.		t Signature:	, ii not an oddy approvod
			Colgitatore.	-
8) Do all samples have the prop	er Acid pH: Yes	No N/A		
9) Do all samples have the prop-	er Base pH: Yes	No (N/A		
10) Was the PC notified of any di	iscrepancies with th	e CoC vs the sam	ples: Yes	No (N/A)
	iscrepancies with the ontainers rec			No (N/A)
				No (N/A)  # of containers
	ontainers red	ceived at Co		# of containers
C	ontainers red	8 oz	on-Test amber/clear jar	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber)	ontainers red	8 oz 4 oz 2 oz	on-Test amber/clear jar amber/clear jar amber/clear jar	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic	ontainers red	8 oz 4 oz 2 oz	on-Test amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic	ontainers red	8 oz 4 oz 2 oz Plas	amber/clear jar amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic	ontainers red	8 oz 4 oz 2 oz Plas Non-C	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit onTest Contain	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below	ontainers red	8 oz 4 oz 2 oz Plas Non-C	amber/clear jar amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit onTest Contain erchlorate Kit	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle	ontainers red	8 oz 4 oz 2 oz Plas Non-C Fla	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit onTest Contain erchlorate Kit shpoint bottle	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle	ontainers red	8 oz 4 oz 2 oz Plas Non-C Fla	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit onTest Contain erchlorate Kit shpoint bottle ther glass jar	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore	ontainers red	8 oz 4 oz 2 oz Plas Non-C Fla	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit onTest Contain erchlorate Kit shpoint bottle	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore	ontainers red	8 oz 4 oz 2 oz Plas Non-C Fla	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit onTest Contain erchlorate Kit shpoint bottle ther glass jar	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle Encore Laboratory Comments:	# of containers	Reived at Co	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit onTest Contain erchlorate Kit shpoint bottle ther glass jar	# of containers
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below Colisure / bacteria bottle Dissolved Oxygen bottle	# of containers  # Met	8 oz 4 oz 2 oz Plas Non-C Fla	amber/clear jar amber/clear jar amber/clear jar tic Bag / Ziploc SOC Kit onTest Contain erchlorate Kit shpoint bottle ther glass jar	# of containers er

### Page 2 of 2 Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/Fals	<u>se) Commen</u>	<u>t</u>
	T/F/NA		
1) The cooler's custody seal, if present, is intact.	<u> </u>		,,
The cooler or samples do not appear to have been compromised or tampered with.			
3) Samples were received on ice.			
4) Cooler Temperature is acceptable.			·
5) Cooler Temperature is recorded.			
6) COC is filled out in ink and legible.		and the second and th	
7) COC is filled out with all pertinent information.	- Annapar	100 A 100 TO	<del>****</del>
8) Field Sampler's name present on COC.	Name of the Control o		
9) There are no discrepancies between the sample IDs on the container and the COC.			
10) Samples are received within Holding Time.			
11) Sample containers have legible labels.			
12) Containers are not broken or leaking.			
13) Air Cassettes are not broken/open.	M		
14) Sample collection date/times are provided.	T	4.0	······
15) Appropriate sample containers are used.			
16) Proper collection media used.			
17) No headspace sample bottles are completely filled.		***************************************	<del>*</del>
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	,		
19) Trip blanks provided if applicable.	- W		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	LA		
21) Samples do not require splitting or compositing.  Who notified of Fal	Iso statements?	Date/Time:	Maria de la compansión de
Doc #277 Rev. 4 August 2013 Log-In Technician		Date/Time:  PLF 7/8/15	1740

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July 8, 2015

George Franklin Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410

Project Location: Kenneth Boroson Architects - Riverfield School

Client Job Number: Project Number: 226361

Laboratory Work Order Number: 15G0106

Lua Watthington

Enclosed are results of analyses for samples received by the laboratory on July 2, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager

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Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410 ATTN: George Franklin

REPORT DATE: 7/8/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 226361

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15G0106

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

PROJECT LOCATION: Kenneth Boroson Architects - Riverfield School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RES-CBC-040	15G0106-01	Product/Solid		SW-846 8082A	
RES-CBB-041	15G0106-02	Product/Solid		SW-846 8082A	
RES-CBB-042	15G0106-03	Product/Solid		SW-846 8082A	



#### 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:

MS-24

Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis is in control based on laboratory fortified blank recovery.

Analyte & Samples(s) Qualified:

Aroclor-1016 B125538-MSD1 Aroclor-1260

B125538-MSD1

R-06

Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for this compound in this sample.

#### Analyte & Samples(s) Qualified:

Aroclor-1016

15G0106-01[RES-CBC-040], B125538-MS1, B125538-MSD1

Aroclor-1016 [2C]

15G0106-01[RES-CBC-040], B125538-MS1, B125538-MSD1

Aroclor-1260

15G0106-01[RES-CBC-040], B125538-MS1, B125538-MSD1

Aroclor-1260 [2C]

15G0106-01[RES-CBC-040], B125538-MS1, B125538-MSD1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

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

Johanna K. Harrington

Manager, Laboratory Reporting



Project Location: Kenneth Boroson Architects - Riv Sample Description: Work Order: 15G0106

Date Received: 7/2/2015

**Field Sample #: RES-CBC-040** Sampled: 7/2/2015 10:45

Sample ID: 15G0106-01
Sample Matrix: Product/Solid

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1	R-06	SW-846 8082A	7/6/15	7/7/15 17:38	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 17:38	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 17:38	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 17:38	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 17:38	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 17:38	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1	R-06	SW-846 8082A	7/6/15	7/7/15 17:38	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 17:38	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 17:38	KAL
Surrogates		% Recovery	Recovery Limits	S	Flag/Qual				
Decachlorobiphenyl [1]		96.1	30-150					7/7/15 17:38	
Decachlorobiphenyl [2]		107	30-150					7/7/15 17:38	
Tetrachloro-m-xylene [1]		95.5	30-150					7/7/15 17:38	
Tetrachloro-m-xylene [2]		103	30-150					7/7/15 17:38	



Project Location: Kenneth Boroson Architects - Riv Sample Description: Work Order: 15G0106

Date Received: 7/2/2015

**Field Sample #: RES-CBB-041** Sampled: 7/2/2015 11:00

Sample ID: 15G0106-02
Sample Matrix: Product/Solid

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/7/15	7/8/15 11:44	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/7/15	7/8/15 11:44	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/7/15	7/8/15 11:44	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/7/15	7/8/15 11:44	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/7/15	7/8/15 11:44	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/7/15	7/8/15 11:44	KAL
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/7/15	7/8/15 11:44	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/7/15	7/8/15 11:44	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/7/15	7/8/15 11:44	KAL
Surrogates		% Recovery	Recovery Limits	1	Flag/Qual				
Decachlorobiphenyl [1]		98.0	30-150					7/8/15 11:44	
Decachlorobiphenyl [2]		89.6	30-150					7/8/15 11:44	
Tetrachloro-m-xylene [1]		93.2	30-150					7/8/15 11:44	
Tetrachloro-m-xylene [2]		86.4	30-150					7/8/15 11:44	



Project Location: Kenneth Boroson Architects - Riv Sample Description: Work Order: 15G0106

Date Received: 7/2/2015

**Field Sample #: RES-CBB-042** Sampled: 7/2/2015 11:15

Sample ID: 15G0106-03
Sample Matrix: Product/Solid

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 18:03	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 18:03	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 18:03	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 18:03	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 18:03	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 18:03	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 18:03	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 18:03	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/6/15	7/7/15 18:03	KAL
Surrogates		% Recovery	Recovery Limits	,	Flag/Qual				
Decachlorobiphenyl [1]		92.0	30-150					7/7/15 18:03	
Decachlorobiphenyl [2]		105	30-150					7/7/15 18:03	
Tetrachloro-m-xylene [1]		91.1	30-150					7/7/15 18:03	
Tetrachloro-m-xylene [2]		97.4	30-150					7/7/15 18:03	



#### **Sample Extraction Data**

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G0106-01 [RES-CBC-040]	B125538	2.04	10.0	07/06/15
15G0106-03 [RES-CBB-042]	B125538	2.05	10.0	07/06/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G0106-02RE1 [RES-CBB-041]	B125625	2.01	10.0	07/07/15



#### QUALITY CONTROL

Spike

Source

%REC

RPD

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B125538 - SW-846 3540C										
Blank (B125538-BLK1)				Prepared: 07	/06/15 Analy	yzed: 07/07/1	5			
Aroclor-1016	ND	0.098	mg/Kg							
Aroclor-1016 [2C]	ND	0.098	mg/Kg							
Aroclor-1221	ND	0.098	mg/Kg							
Aroclor-1221 [2C]	ND	0.098	mg/Kg							
Aroclor-1232	ND	0.098	mg/Kg							
aroclor-1232 [2C]	ND	0.098	mg/Kg							
aroclor-1242	ND	0.098	mg/Kg							
aroclor-1242 [2C]	ND	0.098	mg/Kg							
croclor-1248	ND	0.098	mg/Kg							
roclor-1248 [2C]	ND	0.098	mg/Kg							
croclor-1254	ND	0.098	mg/Kg							
aroclor-1254 [2C]	ND	0.098	mg/Kg							
aroclor-1260	ND	0.098	mg/Kg							
aroclor-1260 [2C]	ND	0.098	mg/Kg							
croclor-1262	ND	0.098	mg/Kg							
roclor-1262 [2C]	ND	0.098	mg/Kg							
aroclor-1268	ND	0.098	mg/Kg							
roclor-1268 [2C]	ND	0.098	mg/Kg							
urrogate: Decachlorobiphenyl	0.968		mg/Kg	0.980		98.7	30-150			
urrogate: Decachlorobiphenyl [2C]	1.07		mg/Kg	0.980		109	30-150			
urrogate: Tetrachloro-m-xylene	0.912		mg/Kg	0.980		93.0	30-150			
urrogate: Tetrachloro-m-xylene [2C]	0.979		mg/Kg	0.980		99.8	30-150			
CS (B125538-BS1)				Prepared: 07	/06/15 Analy	yzed: 07/07/1	15			
roclor-1016	0.26	0.099	mg/Kg	0.248		105	40-140			
roclor-1016 [2C]	0.28	0.099	mg/Kg	0.248		115	40-140			
roclor-1260	0.27	0.099	mg/Kg	0.248		111	40-140			
roclor-1260 [2C]	0.29	0.099	mg/Kg	0.248		118	40-140			
urrogate: Decachlorobiphenyl	0.950		mg/Kg	0.990		95.9	30-150			
urrogate: Decachlorobiphenyl [2C]	1.08		mg/Kg	0.990		109	30-150			
urrogate: Tetrachloro-m-xylene	0.889		mg/Kg	0.990		89.8	30-150			
urrogate: Tetrachloro-m-xylene [2C]	0.956		mg/Kg	0.990		96.6	30-150			
CS Dup (B125538-BSD1)				Prepared: 07	/06/15 Analy	yzed: 07/07/1	15			
roclor-1016	0.27	0.098	mg/Kg	0.245		110	40-140	4.16	30	
aroclor-1016 [2C]	0.29	0.098	mg/Kg	0.245		120	40-140	3.48	30	
croclor-1260	0.28	0.098	mg/Kg	0.245		115	40-140	2.96	30	
Aroclor-1260 [2C]	0.30	0.098	mg/Kg	0.245		122	40-140	2.28	30	
urrogate: Decachlorobiphenyl	0.981		mg/Kg	0.980		100	30-150			
urrogate: Decachlorobiphenyl [2C]	1.09		mg/Kg	0.980		112	30-150			
urrogate: Tetrachloro-m-xylene	0.913		mg/Kg	0.980		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.983		mg/Kg	0.980		100	30-150			



#### QUALITY CONTROL

#### Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

		Reporting		Spike	Source		%REC		R	PD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	L	imit	Notes
Batch B125538 - SW-846 3540C											
Matrix Spike (B125538-MS1)	Sourc	e: 15G0106-	-01	Prepared: 07	/06/15 Analyz	zed: 07/07/	15				
Aroclor-1016	0.26	0.10	mg/Kg	0.249	ND	106	40-140				R-06
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.249	ND	103	40-140				R-06
Aroclor-1260	0.26	0.10	mg/Kg	0.249	ND	106	40-140				R-06
Aroclor-1260 [2C]	0.29	0.10	mg/Kg	0.249	ND	116	40-140				R-06
Surrogate: Decachlorobiphenyl	0.946		mg/Kg	0.995		95.1	30-150				
Surrogate: Decachlorobiphenyl [2C]	1.08		mg/Kg	0.995		108	30-150				
Surrogate: Tetrachloro-m-xylene	0.912		mg/Kg	0.995		91.6	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.982		mg/Kg	0.995		98.7	30-150				
Matrix Spike Dup (B125538-MSD1)	Sourc	e: 15G0106-	-01	Prepared: 07	/06/15 Analyz	zed: 07/07/	15				
Aroclor-1016	0.093	0.10	mg/Kg	0.250	ND	37.2 *	40-140	95.8	*	50	MS-24, R-06
Aroclor-1016 [2C]	0.10	0.10	mg/Kg	0.250	ND	41.8	40-140	84.4	*	50	R-06
Aroclor-1260	0.093	0.10	mg/Kg	0.250	ND	37.4 *	40-140	95.6	*	50	MS-24, R-06
Aroclor-1260 [2C]	0.10	0.10	mg/Kg	0.250	ND	40.9	40-140	95.0	*	50	R-06
Surrogate: Decachlorobiphenyl	0.311		mg/Kg	1.00		31.1	30-150				
Surrogate: Decachlorobiphenyl [2C]	0.344		mg/Kg	1.00		34.4	30-150				
Surrogate: Tetrachloro-m-xylene	0.333		mg/Kg	1.00		33.3	30-150				
			mg/Kg	1.00		35.4	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	0.354										
Surrogate: Tetrachloro-m-xylene [2C]  Batch B125625 - SW-846 3540C	0.354		88								
	0.354			Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Batch B125625 - SW-846 3540C Blank (B125625-BLK1)	0.354 ND	0.10	mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Batch B125625 - SW-846 3540C		0.10 0.10		Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Blank (B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016  Aroclor-1016 [2C]	ND		mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Blank (B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016  Aroclor-1016 [2C]  Aroclor-1221	ND ND	0.10	mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Blank (B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016  Aroclor-1016 [2C]  Aroclor-1221  Aroclor-1221 [2C]	ND ND ND ND	0.10 0.10	mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Blank (B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016  Aroclor-1016 [2C]  Aroclor-1221  Aroclor-1221 [2C]  Aroclor-1232	ND ND ND ND	0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Blank (B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016  Aroclor-1016 [2C]  Aroclor-1221  Aroclor-1221 [2C]  Aroclor-1232  Aroclor-1232 [2C]	ND ND ND ND	0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Batch B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016  Aroclor-1016 [2C]  Aroclor-1221  Aroclor-1221 [2C]  Aroclor-1232  Aroclor-1232 [2C]  Aroclor-1242	ND ND ND ND ND ND ND	0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Blank (B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016  Aroclor-1221  Aroclor-1221 [2C]  Aroclor-1232  Aroclor-1232 [2C]  Aroclor-1242  Aroclor-1242 [2C]	ND ND ND ND ND ND ND ND ND	0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	red: 07/08/	15				
Blank (B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016 [2C]  Aroclor-1221 [2C]  Aroclor-1232 [2C]  Aroclor-1232 [2C]  Aroclor-1242 [2C]  Aroclor-1242 [2C]  Aroclor-1248	ND	0.10 0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Blank (B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016  Aroclor-1221  Aroclor-1221 [2C]  Aroclor-1232  Aroclor-1232 [2C]  Aroclor-1242 [2C]  Aroclor-1248  Aroclor-1248 [2C]	ND	0.10 0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Batch B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016  Aroclor-1221  Aroclor-1221 [2C]  Aroclor-1232  Aroclor-1232 [2C]  Aroclor-1242  Aroclor-1242  Aroclor-1248  Aroclor-1248 [2C]  Aroclor-1254	ND N	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Batch B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016  Aroclor-1221  Aroclor-1221 [2C]  Aroclor-1232  Aroclor-1232 [2C]  Aroclor-1242  Aroclor-1242 [2C]  Aroclor-1248  Aroclor-1248 [2C]  Aroclor-1254  Aroclor-1254 [2C]	ND N	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Batch B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016 Aroclor-1221 Aroclor-1221 [2C] Aroclor-1232 Aroclor-1232 [2C] Aroclor-1242 Aroclor-1242 Aroclor-1248 Aroclor-1248 [2C] Aroclor-1254 Aroclor-1254 [2C] Aroclor-1254 [2C] Aroclor-1254 [2C] Aroclor-1254 [2C] Aroclor-1260	ND N	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Batch B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016 Aroclor-1221 Aroclor-1221 [2C] Aroclor-1232 Aroclor-1232 [2C] Aroclor-1242 Aroclor-1242 [2C] Aroclor-1248 Aroclor-1248 [2C] Aroclor-1254 Aroclor-1254 [2C] Aroclor-1254 [2C] Aroclor-1254 [2C] Aroclor-1260 Aroclor-1260 [2C]	ND N	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	red: 07/08/	15				
Blank (B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016 Aroclor-1221 Aroclor-1221 [2C] Aroclor-1232 Aroclor-1232 [2C] Aroclor-1242 Aroclor-1242 Aroclor-1248 Aroclor-1248 [2C] Aroclor-1254 Aroclor-1254 [2C] Aroclor-1254 [2C] Aroclor-1260 Aroclor-1260 Aroclor-1260 [2C] Aroclor-1262	ND N	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	red: 07/08/	15				
Blank (B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016 Aroclor-1221 Aroclor-1221 [2C] Aroclor-1232 Aroclor-1232 [2C] Aroclor-1242 Aroclor-1242 [2C] Aroclor-1248 Aroclor-1248 [2C] Aroclor-1254 Aroclor-1254 [2C] Aroclor-1260 Aroclor-1260 Aroclor-1260 Aroclor-1260 Aroclor-1260 Aroclor-1262 Aroclor-1262	ND N	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	red: 07/08/	15				
Blank (B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016 Aroclor-1201 Aroclor-1221 Aroclor-1221 [2C] Aroclor-1232 Aroclor-1232 [2C] Aroclor-1242 Aroclor-1242 [2C] Aroclor-1248 Aroclor-1248 [2C] Aroclor-1254 Aroclor-1254 [2C] Aroclor-1260 Aroclor-1260 Aroclor-1260 Aroclor-1260 Aroclor-1262 Aroclor-1262 Aroclor-1262 Aroclor-1268	ND N	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	Prepared: 07	/07/15 Analyz	zed: 07/08/	15				
Batch B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016 Aroclor-1016 [2C]  Aroclor-1221 Aroclor-1221 [2C]  Aroclor-1232 Aroclor-1232 [2C]  Aroclor-1242 Aroclor-1242 [2C]  Aroclor-1248 Aroclor-1248 [2C]  Aroclor-1254 Aroclor-1254 [2C]  Aroclor-1260 Aroclor-1260 [2C]  Aroclor-1262 Aroclor-1262 Aroclor-1268 Aroclor-1268 [2C]	ND N	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		/07/15 Analyz						
Batch B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016 Aroclor-1016 [2C] Aroclor-1221 Aroclor-1221 [2C] Aroclor-1232 Aroclor-1232 [2C] Aroclor-1242 [2C] Aroclor-1248 Aroclor-1248 [2C] Aroclor-1254 Aroclor-1254 [2C] Aroclor-1260 Aroclor-1260 [2C] Aroclor-1260 Aroclor-1262 [2C] Aroclor-1268 Aroclor-1268 Aroclor-1268 [2C] Surrogate: Decachlorobiphenyl	ND N	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	0.995	/07/15 Analyz	100	30-150				
Blank (B125625 - SW-846 3540C  Blank (B125625-BLK1)  Aroclor-1016	ND N	0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10 0.10	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg		/07/15 Analyz						



### 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
7 mary to	resuit	Emin	Cints	Level	resurt	7 UICEC	Limits	Tu D	Emme	110103
Batch B125625 - SW-846 3540C										
LCS (B125625-BS1)				Prepared: 07	7/07/15 Anal	yzed: 07/08/	15			
Aroclor-1016	0.30	0.098	mg/Kg	0.244		122	40-140			
Aroclor-1016 [2C]	0.28	0.098	mg/Kg	0.244		116	40-140			
Aroclor-1260	0.26	0.098	mg/Kg	0.244		106	40-140			
Aroclor-1260 [2C]	0.27	0.098	mg/Kg	0.244		111	40-140			
Surrogate: Decachlorobiphenyl	0.884		mg/Kg	0.976		90.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.813		mg/Kg	0.976		83.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.916		mg/Kg	0.976		93.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.853		mg/Kg	0.976		87.4	30-150			
LCS Dup (B125625-BSD1)				Prepared: 07	7/07/15 Anal	yzed: 07/08/	15			
Aroclor-1016	0.28	0.097	mg/Kg	0.243		114	40-140	6.90	30	
Aroclor-1016 [2C]	0.27	0.097	mg/Kg	0.243		113	40-140	2.53	30	
Aroclor-1260	0.27	0.097	mg/Kg	0.243		110	40-140	3.56	30	
Aroclor-1260 [2C]	0.27	0.097	mg/Kg	0.243		113	40-140	1.50	30	
Surrogate: Decachlorobiphenyl	0.911		mg/Kg	0.971		93.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.836		mg/Kg	0.971		86.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.875		mg/Kg	0.971		90.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.819		mg/Kg	0.971		84.3	30-150			



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS		

Lab Sample ID:	B125538-BS1		Date(s) Analyzed:	07/07/2015	07/07	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.10/12112	OOL	111	FROM	TO	OONOLIVITUUTION	700
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.28	8
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.29	6



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS	Dup	

Lab Sample ID:	B125538-BSD1		Date(s) Analyzed:	07/07/2015	07/07	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.10.12.112	002		FROM	TO	00110211111111111111	702
Aroclor-1016	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.29	7
Aroclor-1260	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.30	6



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Sample ID:	B125538-MS1		Date(s) Analyzed:	07/07/2015	07/07/	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.10.12.1.12	002		FROM	TO	0011021111111111111	702
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.26	2
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.29	9



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Sample ID:	B125538-MSD1		Date(s) Analyzed:	07/07/2015	07/07/	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.00.211.2	002		FROM	TO	0011021111111111111	Į,
Aroclor-1016	1	0.00	0.00	0.00	0.093	
	2	0.00	0.00	0.00	0.10	7
Aroclor-1260	1	0.00	0.00	0.00	0.093	
	2	0.00	0.00	0.00	0.10	7



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

Lab Sample ID:	B125625-BS1	_	Date(s) Analyzed:	07/08/2015	07/08	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D	
7.10.12.112	002		FROM	TO	00110211111111111111		
Aroclor-1016	1	0.00	0.00	0.00	0.30		
	2	0.00	0.00	0.00	0.28	6	
Aroclor-1260	1	0.00	0.00	0.00	0.26		
	2	0.00	0.00	0.00	0.27	4	



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS	Dup	

Lab Sample ID:	B125625-BSD1		Date(s) Analyzed:	07/08/2015	07/08/	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.10.12112	002		FROM	TO	00110211111111111111	702
Aroclor-1016	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.27	3
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.27	1



### FLAG/QUALIFIER SUMMARY

†	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.
	No results have been blank subtracted unless specified in the case narrative section.
MS-24	Either matrix spike or matrix spike duplicate is outside of control limits, but the other is within limits. Analysis i in control based on laboratory fortified blank recovery.
R-06	Matrix spike duplicate RPD is outside of control limits. Reduced precision is anticipated for reported result for

QC result is outside of established limits.

this compound in this sample.



#### CERTIFICATIONS

Certifications

CT,NH,NY,ME,NC,VA,NJ

CT,NH,NY,ME,NC,VA,NJ

### Certified Analyses included in this Report

Analyte

Aroclor-1242 [2C]

Aroclor-1254

 SW-846 8082A in Product/Solid

 Aroclor-1016
 CT,NH,NY,ME,NC,VA,NJ

 Aroclor-1016 [2C]
 CT,NH,NY,ME,NC,VA,NJ

 Aroclor-1221
 CT,NH,NY,ME,NC,VA,NJ

 Aroclor-1221 [2C]
 CT,NH,NY,ME,NC,VA,NJ

 Aroclor-1232
 CT,NH,NY,ME,NC,VA,NJ

 Aroclor-1232 [2C]
 CT,NH,NY,ME,NC,VA,NJ

 Aroclor-1242
 CT,NH,NY,ME,NC,VA,NJ

Aroclor-1248 CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C] CT,NH,NY,ME,NC,VA,NJ

 Aroclor-1254 [2C]
 CT,NH,NY,ME,NC,VA,NJ

 Aroclor-1260
 CT,NH,NY,ME,NC,VA,NJ

Aroclor-1260 [2C] CT,NH,NY,ME,NC,VA,NJ

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	09/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

CON-1651 BPhone: 413-525-2332

CHAIN OF CUSTODY RECORD

Rev 04.05.12

<del>, - |</del>

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Page

East longmeadow, MA 01028

39 Spruce Street

DW= drinking water B = Sodium bisulfate \*\*\*Container Code Dissolved Metals **GW**= groundwater WW= wastewater T = Na thiosulfate X = Na hydroxide O Field Filtered # of Containers O Lab to Filter S = Sulfuric Acid \*\* Preservation \*\*Preservation \*\*\*Cont. Code: O = Other Hexane \*Matrix Code: A=amber glass M = Methanol N = Nitric Acid S=summa can S = soil/solid T=tedlar bag SL = sludge O = other ST=sterile P=plastic 0=Other G=glass l= lced H=HCL Amair V= vial Please use the following codes to let Con-Test know if a specific sample Is your project MCP or RCP? H - High; M - Medium; L - Low; C - Clean; U - Unknown may be high in concentration in Matrix/Conc. Code Box: O MCP Form Required O RCP Form Required ANALYSIS REQUESTED HOPD **Detection Limit Requirements** Λq **b**CB2 zoxyjet Ġ Conc Code greynolds@woodardcurran.com gfranklin@woodardcurran.com  $\supset$  $\supset$ O "Enhanced Data Package" OGIS \*#atrix Cade cΩ ß DATA DELIVERY (check all that apply PCBs by Soxhlet 2. Reporting limit ≤ 1 ug/kg. 3. 48 hr TAT requested Telephone: 866-702-6371 OWEBSITE O EXCEL Composite Grab **Massachusetts**. × 226361 O OTHER\_ OPDF **⊕** EMAIL Client PO# Date/Time Project # 1045 1100 1115 Ending Format: **Turnaround** O FAX 7-Day Email: Fax# Collection Email: info@contestlabs.com 7/2/2015 7/2/2015 7/2/2015 Beginning www.contestlabs.com Date/Time Project Location: Kenneth Boroson Architects - Riverfield School Date/Time: Client Sample ID / Description RES-CBC-040 RES-CBB-042 RES-CBB-041 Cheshire, CT 06410 Project Proposal Provided? (for billing purposes) ANALYTICAL LABORATORY 1520 Highland Ave Company Name: Woodard & Curran proposal date George Franklin **Greg Reynolds** Relinquished by; (signature) S S Con-Test Lab ID Ō Sampled By: Comments: Attention: Address:

Ad hur (elipsoture)	Date/Time: 172-Hr 114-Day		Editor Office Control of Control	Accredited
5:91 SIKL by	(6:50   Require lab approval Other:	Other: < 1 ug/kg	TOO	WBE/DBE Certified
RNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIP	HE DAY AFTER SAMPLE RECEIPT UNLE	IPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR	IAIN. IF THIS FORM IS NOT FILLED O	UT COMPLETELY OR
CORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.	FSTART UNTIL ALL QUESTIONS ARE AI		PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT	ATE THIS DOCUMENT

Table of Contents

**NELAC & AIHA-LAP, LLC** 

O MA State DW Form Required PWSID#

Connecticut:

☐ <sup>†</sup>24-Hr **圖** <sup>†</sup>48-Hr

0591

(signature)

quished by

(Signature)

20 of 22

Other 5Dey

34.81 Date/Time:

Date/Time:

RUSH <sup>↑</sup>

10-Day

39 Spruce St. East Longmeadow, MA. 01028

P: 413-525-2332 F: 413-525-6405 www.contestlabs.com



Page 1 of 2



# Sample Receipt Checklist

If not, explain:  How were the samples received: Direct from Samere the samples received in Temperature °C by Temp blank  Are there Dissolved samples for Who was notified	dition? pling  perature Cont	mpliand	Ambier	2-6°C)?	Yes Yes In Coo	No No No eler(s)	No Co	C Included	
If not, explain:  Are all the samples in good cond If not, explain:  How were the samples received: Direct from Samere the samples received in Temperature °C by Temp blank  Are there Dissolved samples for Who was notified	pling Derature Con	mpliane	ce of (2	2-6°C)?	In Coo	No ler(s)	<b>3</b> ′		
Are all the samples in good cond  If not, explain:  How were the samples received:  Direct from Samere the samples received in Temperature °C by Temp blank  Are there Dissolved samples for Who was notified	pling Derature Con	mpliane	ce of (2	2-6°C)?	In Coo	ler(s)	3		
How were the samples received:  Direct from Sam  dere the samples received in Temperature °C by Temp blank  Are there Dissolved samples for  Who was notified	pling Derature Con	mpliane	ce of (2	2-6°C)?	In Coo	ler(s)	3		
price Direct from Samere the samples received in Temperature °C by Temp blank  Are there Dissolved samples for Who was notified	pling Derature Con	mpliane	ce of (2	2-6°C)?		, ,	3		
ere the samples received in Tempemperature °C by Temp blank  Are there Dissolved samples for Who was notified	erature Con	mpliane	ce of (2	2-6°C)?		, ,	1		
emperature °C by Temp blank  Are there Dissolved samples for  Who was notified	the lab to fi				Yes	No			
Are there Dissolved samples for Who was notified			Tempe	erature °0			N/A	<i>r</i> .	
Who was notified					C by Temp	gun .	4.9		
	Date	iter?			Yes	No			
A Abana and fuller allogation		······································	Ti	ime					
Are there any RUSH or SHORT H	OLDING TI	VE san	nples?	?	Yes	No			
Who was notified				ime				····	
				Pe	rmission to	subcor	tract sar	nples? Yes	No
Location where samples are stored:				lw	alk-in clier	its only)	if not alr	eady approv	/ed
Location where samples are stored.				11,	ent Signatı				
Do all samples have the proper labeled by th	-	res l	No (N	N/A)					
, Do an Junipico Ruty die Riyper (	Base pH:		No (t No (t	N/A)					
		Yes	No (	N/A	amples:	Yes	No (N/		
) Was the PC notified of any disc		Yes vith the	No (	N/A vs the sa		grassonerskyr conve	No (N/	À	
0) Was the PC notified of any disc	repancies w ntainers	Yes with the	No (	N/A vs the sa		grassonerskyr conve	No (N/	# of conta	iners
O) Was the PC notified of any disc Cor	repancies w	Yes with the	No (	N/A vs the sa		est	No (N/		iners
0) Was the PC notified of any disc	repancies w ntainers	Yes with the	No (	N/A) vs the seed at 0	Con-Te	est dear jar	No (N/		uners
O) Was the PC notified of any disc Cor 1 Liter Amber	repancies w ntainers	Yes with the	No (	N/A) vs the seed at 0	con-To	elear jar	No (N/	# of conta	iners
D) Was the PC notified of any disc  Cor  1 Liter Amber  500 mL Amber	repancies w ntainers	Yes with the	No (	vs the seed at 0	oz amber/o	est lear jar lear jar lear jar	No (N/	# of conta	uners
1 Liter Amber 500 mL Amber (8oz amber)	repancies w ntainers	Yes with the	No (	vs the sied at (	oz amber/o oz amber/o oz amber/o lastic Bag /	elear jar elear jar elear jar Ziploc		# of conta	uners
1 Liter Amber 500 mL Amber (8oz amber) 1 Liter Plastic	repancies w ntainers	Yes with the	No (	vs the sied at (	oz amber/o oz amber/o oz amber/o lastic Bag / SOC K	elear jar elear jar elear jar elear jar Ziploc tit		# of conta	iners
1 Liter Amber 500 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic	repancies w ntainers	Yes with the	No (	N/A vs the saved at 0  8 4 2 P	oz amber/o oz amber/o oz amber/o lastic Bag / SOC K -ConTest (	elear jar elear jar elear jar Ziploc elit Containe		# of conta	iners
1 Liter Amber 500 mL Amber (8oz amber) 1 Liter Plastic 500 mL plastic 250 mL plastic	repancies w ntainers	Yes with the	No (	N/A vs the saved at 0  8 4 2 P	oz amber/o oz amber/o oz amber/o lastic Bag / SOC K -ConTest ( Perchloral	est  Elear jar  Elear jar  Ziploc  Elear jar  Ziploc  Elear jar  Ziploc  Elear jar  Ziploc  Elear jar  Elear j		# of conta	iners
1 Liter Amber 500 mL Amber 250 mL Amber (8oz amber) 1 Liter Plastic 500 mL Plastic 250 mL plastic 40 mL Vial - type listed below	repancies w ntainers	Yes with the	No (	N/A vs the saved at 0  8 4 2 P	oz amber/o oz amber/o oz amber/o lastic Bag / SOC K -ConTest (	elear jar elear jar elear jar Ziploc elit Containe te Kit bottle es jar		# of conta	iners

# Page 2 of 2 <u>Login Sample Receipt Checklist</u>

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question Question	<u> Answer (True/False)</u>	Comment
marketical	T/F/NA	
	NA	
The cooler's custody seal, if present, is intact.	/ / /	
2) The cooler or samples do not appear to have	T	
been compromised or tampered with.		
	$\mid \;  au \; \mid \; $	
3) Samples were received on ice.		
Cooler Temperature is acceptable.		
4) Oddid Temperature to decopation		
5) Cooler Temperature is recorded.	<u> </u>	
as a constraint and leaded		
6) COC is filled out in ink and legible.		
7) COC is filled out with all pertinent information.		
8) Field Sampler's name present on COC.		444
as — the state of	—	
9) There are no discrepancies between the sample IDs on the container and the COC.		
sample IDs on the container and the CCC.		
10) Samples are received within Holding Time.		William
11) Sample containers have legible labels.		
12) Containers are not broken or leaking.	17	
12) Outdations die Not Stoken et de Lang.	//A	
13) Air Cassettes are not broken/open.	NA	
and the state that are not provided		
14) Sample collection date/times are provided.		
15) Appropriate sample containers are used.		
16) Proper collection media used.		A STATE OF THE STA
17) No headspace sample bottles are completely filled.	1 T	
17) No headspace sample bothes are completely fined.		
18) There is sufficient volume for all requsted		
analyses, including any requested MS/MSDs.		
	I NA	
19) Trip blanks provided if applicable.	<del>                                     </del>	
any VOA a serial solida de not hour bood angos of	I NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.		
Dubble to Collin (177 ) in dameter.	7	
21) Samples do not require splitting or compositing.		Data Firman Cold
Who notified of Fa		Date/Time: 7/2/15
Doc #277 Rev. 4 August 2013 Log-In Technician	miliais.	_
		16:50

Page 22 of 22

July 15, 2015

George Franklin Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410

Project Location: Kenneth Boroson Architects Riverfield School

Client Job Number: Project Number: 226361

Laboratory Work Order Number: 15G0521

Lua Watthington

Enclosed are results of analyses for samples received by the laboratory on July 11, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager

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Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410 ATTN: George Franklin

REPORT DATE: 7/15/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 226361

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15G0521

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

PROJECT LOCATION: Kenneth Boroson Architects Riverfield School

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
RES-CBC-45	15G0521-01	Product/Solid		SW-846 8082A	
RES-CBC-46	15G0521-02	Product/Solid		SW-846 8082A	



#### CASE NARRATIVE SUMMARY

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

 $The \ results \ of \ analyses \ reported \ only \ relate \ to \ samples \ submitted \ to \ the \ Con-Test \ Analytical \ Laboratory \ for \ testing.$ 

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

Johanna K. Harrington

Manager, Laboratory Reporting



Project Location: Kenneth Boroson Architects Rive Sample Description: Work Order: 15G0521

Date Received: 7/11/2015

**Field Sample #: RES-CBC-45** Sampled: 7/10/2015 14:00

Sample ID: 15G0521-01
Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extracti	Extraction	Soxhlet	3540	with	phenyls	orinated l	Polych
--	------------	---------	------	------	---------	------------	--------

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 14:58	KAL
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 14:58	KAL
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 14:58	KAL
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 14:58	KAL
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 14:58	KAL
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 14:58	KAL
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 14:58	KAL
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 14:58	KAL
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 14:58	KAL
Surrogates		% Recovery	Recovery Limits	i	Flag/Qual				
Decachlorobiphenyl [1]		88.5	30-150					7/14/15 14:58	
Decachlorobiphenyl [2]		95.7	30-150					7/14/15 14:58	
Tetrachloro-m-xylene [1]		91.9	30-150					7/14/15 14:58	
Tetrachloro-m-xylene [2]		87.6	30-150					7/14/15 14:58	



Project Location: Kenneth Boroson Architects Rive Sample Description: Work Order: 15G0521

Date Received: 7/11/2015

**Field Sample #: RES-CBC-46** Sampled: 7/10/2015 14:30

Sample ID: 15G0521-02
Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extracti	Extraction	Soxhlet	3540	with	phenyls	orinated l	Polych
--	------------	---------	------	------	---------	------------	--------

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 15:10	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 15:10	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 15:10	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 15:10	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 15:10	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 15:10	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 15:10	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 15:10	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	7/13/15	7/14/15 15:10	KAL
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
Decachlorobiphenyl [1]		89.0	30-150					7/14/15 15:10	
Decachlorobiphenyl [2]		96.4	30-150					7/14/15 15:10	
Tetrachloro-m-xylene [1]		92.0	30-150					7/14/15 15:10	
Tetrachloro-m-xylene [2]		87.7	30-150					7/14/15 15:10	



## **Sample Extraction Data**

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G0521-01 [RES-CBC-45]	B126047	2.04	10.0	07/13/15
15G0521-02 [RES-CBC-46]	B126047	2.13	10.0	07/13/15



## 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 B126047 - SW-846 3540C										
Blank (B126047-BLK1)				Prepared: 07	7/13/15 Anal	yzed: 07/14/	15			
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	0.952		mg/Kg	1.00		95.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.936		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.876		mg/Kg	1.00		87.6	30-150			
LCS (B126047-BS1)				Prepared: 07	7/13/15 Anal	yzed: 07/14/	15			
Aroclor-1016	0.27	0.10	mg/Kg	0.250		107	40-140			
Aroclor-1016 [2C]	0.26	0.10	mg/Kg	0.250		105	40-140			
Aroclor-1260	0.28	0.10	mg/Kg	0.250		111	40-140			
Aroclor-1260 [2C]	0.28	0.10	mg/Kg	0.250		113	40-140			
Surrogate: Decachlorobiphenyl	1.01		mg/Kg	1.00		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.09		mg/Kg	1.00		109	30-150			
Surrogate: Tetrachloro-m-xylene	0.989		mg/Kg	1.00		98.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.929		mg/Kg	1.00		92.9	30-150			
LCS Dup (B126047-BSD1)				Prepared: 07	7/13/15 Anal	yzed: 07/14/	15			
Aroclor-1016	0.25	0.10	mg/Kg	0.250		102	40-140	5.13	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg	0.250		99.7	40-140	5.33	30	
Aroclor-1260	0.26	0.10	mg/Kg	0.250		103	40-140	7.28	30	
Aroclor-1260 [2C]	0.26	0.10	mg/Kg	0.250		105	40-140	7.15	30	
Surrogate: Decachlorobiphenyl	0.912		mg/Kg	1.00		91.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.982		mg/Kg	1.00		98.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.919		mg/Kg	1.00		91.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.862		mg/Kg	1.00		86.2	30-150			



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS		

Lab Sample ID:	B126047-BS1	_	Date(s) Analyzed:	07/14/2015	07/14	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
7,07,2112	002	111	FROM	TO	OONOLIVITUUTION	700
Aroclor-1016	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.26	3
Aroclor-1260	1	0.00	0.00	0.00	0.28	
	2	0.00	0.00	0.00	0.28	1



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS	Dup	

Lab Sample ID:	B126047-BSD1		Date(s) Analyzed:	07/14/2015	07/14	/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
7.00.211.2	002		FROM	TO	0011021111111111111	Į,
Aroclor-1016	1	0.00	0.00	0.00	0.25	
	2	0.00	0.00	0.00	0.25	2
Aroclor-1260	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.26	1



#### 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.

No results have been blank subtracted unless specified in the case narrative section.



#### CERTIFICATIONS

#### Certified Analyses included in this Report

Certifications Analyte SW-846 8082A in Product/Solid Aroclor-1016 CT,NH,NY,ME,NC,VA,NJ Aroclor-1016 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 [2C]  $CT,\!NH,\!NY,\!ME,\!NC,\!VA,\!NJ$ Aroclor-1232 CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 [2C] CT,NH,NY,ME,NC,VA,NJ

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	09/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2015
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

East long meadow, MA 01028 39 Spruce Street CHAIN OF CUSTODY RECORD 156-052 Email: info@contestlabs.com www.contestlabs.com GO ESE ( © Phone: 413-525-2332

\*\*\*Container Code Dissolved Metals O Field Filtered # of Containers \*\* Preservation C Lab to Filter \*\*\*Cont. Code: A=amber glass S=summa can T=tedlar bag ST=sterile P=plastic G-glass V= viæl ANALYSIS REQUESTED 5000 Conc Code からし くなンシマン 846 703 6371 "Enhanced Data Package" OGIS DATA DELIVERY (check all that apply OWEBSITE Composite Grab OEXCEL O OTHER OPOR Eax# GCY MO OFAX CEMAIL Telephone: Client PO# Oate/Time Project # Ending ormat Collection Enail Date/Imme Beginning River Pirto School Arch. Lects Client Sample ID / Description 0 1500 Company Name: Woodard + Correr 一なっている 3193 ANALYTICAL LABORATORY Project Proposal Provided? (for billing purposes) Project Location: Krancita Boroson proposal date Sampled By: W Oclasia K 1505C Presh, 'c くして Con-Test Lab ID Attention: Address:

O-Other

Sade

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1700

7/10/15

RESICBCIYS

02	02 RES. CBC. 46	1/10/15 1430	K	ν,	< 5 U V	<b>√</b>			**Preservation
									l≃lœd
									M = Methanol
									N = Nitric Acid S = Sulfuric Acid
									8 = Sodium bisulfate X = Na hydrovide
and the second public second s									T = Na thiosulfate
									O Der
									*Matrix Code:
G05									<b>GW</b> = groundwater WW= wastewater
nments:	1 13 0 5 11	, ,		GT.	Yease use	the following ay be high in	Please use the following codes to let Con-Test know if a specific sample may be high in concentration in Matrix/Conc. Code Box:	ecific sample Box:	DW= drinking water A = air
17c6 57 50x	PC63 by Soyblat D. Reporting Linits & Langlage 3	1 mg/2g 31	18 TAT 84	5	i I	High; M - M	H - High; M - Medium; L - Low; C - Clean; U - Unknown	nown	
nquished by: (signature	e) Date/Time:	Turnaround #	Detection Limit Requirements	n Limit	Requir			600	0 = other
2									

WBE/DBE Certified URNAROUND 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 please be careful not to contaminate this document NCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT. Require lab approval

Other:

0 72-Hr 0 4-Day 0 24 Hr 27 48 Hr

Date/Time:

eived by: (signature)

15 1344

07 15

Table of Contents

NELAC & AIHA-LAP, LLC

O MA State DW Form Required PWSID#

Is your project MCP or RCP?

Mas sachusetts;

10-Day

Date/Time:

Other

RUSH

Date/Time:

Connecticut:

○ MCP Form Required RCP Form Required Accredited

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



Page 1 of 2



# Sample Receipt Checklist

CLIENT NAME: VV OOD AS	+ (vivar) REC	FINED BA: 11	DA	TE: 7/11/11/5
<ol> <li>Was the chain(s) of custody r</li> <li>Does the chain agree with the</li> </ol>	•	6	< '	CoC Included
If not, explain:	samples?	Yes	NO	
3) Are all the samples in good co	ondition?	Yes	No	
4) How were the samples receive	ed:			
On Ice Direct from Sa	ampling Amb	ient 🔲 In Co	ooler(s)	
Were the samples received in Te	mperature Compliance of	$\sim$	<b>N</b>	A
Temperature °C by Temp blank	•	perature °C by Tem	1	4.6 6
5) Are there Dissolved samples f	or the lab to filter?	Yes	No	
Who was notified		Time		
6) Are there any RUSH or SHORT			) No	
Who was notified	- i		, <del>.</del>	
			o subcontrac	t samples? Yes No
7) }		***		•
7) Location where samples are store	)O:	<sup>*</sup>	• •	t already approved
	<u>L.,,</u>	Client Signa	ture:	
<ol><li>B) Do all samples have the properties</li></ol>	er Acid pH: Yes No	(N/A)		
<ol><li>Do all samples have the prope</li></ol>	er Base pH: Yes No	NTA)		_
10) Was the PC notified of any dis	screpancies with the CoC	vs the samples:	Yes No	N/A
Co	ontainers receive	ed at Con-T	est	
	# of containers			# of containers
1 Liter Amber	" 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 oz amber/	clear iar	,, or container
500 mL Amber		4 oz amber/		2
250 mL Amber (8oz amber)		2 oz amber/		
1 Liter Plastic		Plastic Bag	/ Ziploc	
500 mL Plastic		SOCI	<b>Cit</b>	
250 mL plastic		Non-ConTest	Container	
40 mL Vial - type listed below		Perchlora	te Kit	
Colisure / bacteria bottle		Flashpoint		
Dissolved Oxygen bottle		Other gla		
Encore Laboratory Comments:		Othe	<u> </u>	
Laboratory Comments.				
40 mL vials: # HCl	# Mothanal		Time	and Date Frozen:
			1	
Doc# 277 # Bisulfate	# DI Water _		4	
Rev. 4 August 2013 # Thiosulfate	Unpreserved	1		

# Page 2 of 2 Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client

Question	Answer (True/Faise)	Comment
- Control of the Cont	T/F/NA	
The cooler's custody seal, if present, is intact.	WA	
The cooler or samples do not appear to have been compromised or tampered with.	7	
3) Samples were received on ice.	T	
4) Cooler Temperature is acceptable.	T	- Addition of the second of th
5) Cooler Temperature is recorded.	T	
6) COC is filled out in ink and legible.	7	Action to the second se
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	- Little Control of the Control of t
9) There are no discrepancies between the sample IDs on the container and the COC.		
10) Samples are received within Holding Time.	7	
11) Sample containers have legible labels.	<u> </u>	A STATE OF THE STA
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	+	
15) Appropriate sample containers are used.		
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	ALA	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NIA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NSA WA	
21) Samples do not require splitting or compositing.		ata/Tima:

Doc #277 Rev. 4 August 2013

Who notified of False statements? Log-In Technician Initials:

Date/Time:

MJ 7)11/15

Page 15 of 15 15G0521\_1 Contest\_Final 07 15 15 1344



July 24, 2015

George Franklin Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410

Project Location: Kenneth Boroson Architects - Riverfield School

Client Job Number: Project Number: 226361

Laboratory Work Order Number: 15G1038

Lua Watthington

Enclosed are results of analyses for samples received by the laboratory on July 22, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Lisa A. Worthington Project Manager

# **Table of Contents**

Sample Summary	3
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QC Data	7
Polychlorinated Biphenyls with 3540 Soxhlet Extraction	7
B126790	7
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Flag/Qualifier Summary	10
Certifications	11
Chain of Custody/Sample Receipt	12



Woodard & Curran - CT 1520 Highland Avenue Cheshire, CT 06410 ATTN: George Franklin

REPORT DATE: 7/24/2015

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 226361

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15G1038

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

PROJECT LOCATION: Kenneth Boroson Architects - Riverfield School

FIELD SAMPLE # LAB ID: MATRIX SAMPLE DESCRIPTION TEST SUB LAB

RES-CBB-045 15G1038-01 Brick SW-846 8082A



#### CASE NARRATIVE SUMMARY

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

 $The \ results \ of \ analyses \ reported \ only \ relate \ to \ samples \ submitted \ to \ the \ Con-Test \ Analytical \ Laboratory \ for \ testing.$ 

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

Johanna K. Harrington

Manager, Laboratory Reporting



Project Location: Kenneth Boroson Architects - Riv Sample Description: Work Order: 15G1038

Date Received: 7/22/2015

**Field Sample #: RES-CBB-045** Sampled: 7/22/2015 07:50

Sample ID: 15G1038-01
Sample Matrix: Brick

Polychlorinated Biphenyls with 3540 Soxhlet Extracti	Extraction	Soxhlet	3540	with	phenyls	orinated l	Polych
--	------------	---------	------	------	---------	------------	--------

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/22/15	7/23/15 17:30	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/22/15	7/23/15 17:30	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/22/15	7/23/15 17:30	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/22/15	7/23/15 17:30	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/22/15	7/23/15 17:30	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/22/15	7/23/15 17:30	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/22/15	7/23/15 17:30	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/22/15	7/23/15 17:30	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	7/22/15	7/23/15 17:30	JMB
Surrogates		% Recovery	Recovery Limits	i	Flag/Qual				
Decachlorobiphenyl [1]		91.0	30-150					7/23/15 17:30	
Decachlorobiphenyl [2]		105	30-150					7/23/15 17:30	
Tetrachloro-m-xylene [1]		80.6	30-150					7/23/15 17:30	
Tetrachloro-m-xylene [2]		92.1	30-150					7/23/15 17:30	



## **Sample Extraction Data**

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15G1038-01 [RES-CBB-045]	B126790	2.01	10.0	07/22/15



## 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 B126790 - SW-846 3540C										
Blank (B126790-BLK1)				Prepared: 07	7/22/15 Anal	yzed: 07/23/	15			
Aroclor-1016	ND	0.094	mg/Kg							
Aroclor-1016 [2C]	ND	0.094	mg/Kg							
Aroclor-1221	ND	0.094	mg/Kg							
Aroclor-1221 [2C]	ND	0.094	mg/Kg							
Aroclor-1232	ND	0.094	mg/Kg							
Aroclor-1232 [2C]	ND	0.094	mg/Kg							
Aroclor-1242	ND	0.094	mg/Kg							
Aroclor-1242 [2C]	ND	0.094	mg/Kg							
Aroclor-1248	ND	0.094	mg/Kg							
Aroclor-1248 [2C]	ND	0.094	mg/Kg							
Aroclor-1254	ND	0.094	mg/Kg							
Aroclor-1254 [2C]	ND	0.094	mg/Kg							
Aroclor-1260	ND	0.094	mg/Kg							
Aroclor-1260 [2C]	ND	0.094	mg/Kg							
Aroclor-1262	ND	0.094	mg/Kg							
Aroclor-1262 [2C]	ND	0.094	mg/Kg							
Aroclor-1268	ND	0.094	mg/Kg							
Aroclor-1268 [2C]	ND	0.094	mg/Kg							
Surrogate: Decachlorobiphenyl	0.841		mg/Kg	0.943		89.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.972		mg/Kg	0.943		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.811		mg/Kg	0.943		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.927		mg/Kg	0.943		98.3	30-150			
LCS (B126790-BS1)				Prepared: 07	7/22/15 Anal	yzed: 07/23/	15			
Aroclor-1016	0.23	0.098	mg/Kg	0.244		93.9	40-140			
Aroclor-1016 [2C]	0.23	0.098	mg/Kg	0.244		93.8	40-140			
Aroclor-1260	0.30	0.098	mg/Kg	0.244		124	40-140			
Aroclor-1260 [2C]	0.27	0.098	mg/Kg	0.244		112	40-140			
Surrogate: Decachlorobiphenyl	0.927		mg/Kg	0.976		95.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.07		mg/Kg	0.976		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.839		mg/Kg	0.976		86.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.957		mg/Kg	0.976		98.1	30-150			
LCS Dup (B126790-BSD1)				Prepared: 07	7/22/15 Anal	yzed: 07/23/	15			
Aroclor-1016	0.26	0.098	mg/Kg	0.244		107	40-140	12.7	30	
Aroclor-1016 [2C]	0.27	0.098	mg/Kg	0.244		111	40-140	16.5	30	
Aroclor-1260	0.27	0.098	mg/Kg	0.244		111	40-140	11.9	30	
Aroclor-1260 [2C]	0.27	0.098	mg/Kg	0.244		110	40-140	1.72	30	
Surrogate: Decachlorobiphenyl	0.871		mg/Kg	0.976		89.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.00		mg/Kg	0.976		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.821		mg/Kg	0.976		84.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.932		mg/Kg	0.976		95.6	30-150			



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS		

Lab Sample ID:	B126790-BS1	_	Date(s) Analyzed:	07/23/2015	07/23	3/2015
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WI	NDOW	CONCENTRATION	%D
7.10/12112	002	111	FROM	TO	OONOLIVITUUTION	700
Aroclor-1016	1	0.00	0.00	0.00	0.23	
	2	0.00	0.00	0.00	0.23	0
Aroclor-1260	1	0.00	0.00	0.00	0.30	
	2	0.00	0.00	0.00	0.27	12



# IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

LCS Dup

Lab Sample ID:	B126790-BSD1		Date(s) Analyzed:	07/23/2015	07/23/2015	
Instrument ID (1):			Instrument ID (2):			
GC Column (1):	ID:	(mm)	GC Column (2):		ID:	(mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
7.10.12.112			FROM	TO	00110211111111111111	,02
Aroclor-1016	1	0.00	0.00	0.00	0.26	
	2	0.00	0.00	0.00	0.27	4
Aroclor-1260	1	0.00	0.00	0.00	0.27	
	2	0.00	0.00	0.00	0.27	0



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.

No results have been blank subtracted unless specified in the case narrative section.



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

#### CERTIFICATIONS

#### Certified Analyses included in this Report

Certifications Analyte SW-846 8082A in Product/Solid Aroclor-1016 CT,NH,NY,ME,NC,VA,NJ Aroclor-1016 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 CT,NH,NY,ME,NC,VA,NJ Aroclor-1221 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 CT,NH,NY,ME,NC,VA,NJ Aroclor-1232 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 CT,NH,NY,ME,NC,VA,NJ Aroclor-1242 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 CT,NH,NY,ME,NC,VA,NJ Aroclor-1248 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 CT,NH,NY,ME,NC,VA,NJ Aroclor-1254 [2C] CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 CT,NH,NY,ME,NC,VA,NJ Aroclor-1260 [2C] CT,NH,NY,ME,NC,VA,NJ

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AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2016
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2016
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2016
RI	Rhode Island Department of Health	LAO00112	12/30/2015
NC	North Carolina Div. of Water Quality	652	12/31/2015
NJ	New Jersey DEP	MA007 NELAP	09/30/2015
FL	Florida Department of Health	E871027 NELAP	06/30/2016
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2016
WA	State of Washington Department of Ecology	C2065	02/23/2016
ME	State of Maine	2011028	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

**NELAC & AIHA-LAP, LLC** 

O MA State DW Form Required PWSID:#

Connecticut:

RUSH

Date/Time:

Accredited

Email: info@contestlabs.com www.contestlabs.com COMPLES (®) Phone; 413-525-2332 ANALYTICAL LABORATORY

CHAIN OF CUSTODY RECORD | 5G | 039

East longmeadow, MA 01028 39 Spruce Street

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Page\_1

DW= drinking water 8 = Sodium bisulfate \*\*\*Container Code Dissolved Metals **GW**= groundwater WW= wastewater T = Na thiosulfate X = Na hydroxide O Field Filtered # of Containers \*\* Preservation O Lab to Filter \*\*\*Cont. Code: S = Sulfuric Acid \*\*Preservation O = Other Hexane A=amber glass \*Matrix Code: N = Nitric Acid M = Methanol S=summa can S = soil/solid T≕tedlar bag ST=sterile 0 = other P=plastic 0=Other H=HCL G=glass |= |ced A = air V= vial Please use the following codes to let Con-Test know if a specific sample Is your project MCP or RCP? H - High; M - Medium; L - Low; C - Clean; U - Unknown may be high in concentration in Matrix/Conc. Code Box: O MCP Form Required ANALYSIS REQUESTED O RCP Form Required HOPD **Detection Limit Requirements** ρλ zoxyjer **b**CB<sup>2</sup> O greynolds@woodardcurran.com Conc Cade gfranklin@woodardcurran.com  $\supset$ O "Enhanced Data Package" OGIS \*Matrix Code S DATA DELIVERY (check all that apply Felephone: 866-702-6371 **● EMAIL** OWEBSITE Composite Grab PCBs by Soxhlet 2. Reporting limit ≤ 1 ug/kg. 3. 48 hr TAT requested OPDF OEXCEL Massachusetts: O OTHER\_ 226361 Client PO# Project # Date/Time 750 Other 5 Day Ending Format: 10-Day O FAX Turnaround Email: Collection 7-Day Fax# 7/22/2015 Beginning Date/Time Project Location: Kenneth Boroson Architects - Riverfield School Client Sample ID / Description Date/Time: Date/Time: RES-CB**B**-045 Cheshire, CT 06410 Project Proposal Provided? (for billing purposes) 1520 Highland Ave Company Name: Woodard & Curran proposal date George Franklin **Greg Reynolds** Relinquished by: (signature) Jafure) Con-Test Lab ID  $\overline{C}$ Sampled By: Attention: Comments Address:

WBE/DBE Certified TURNARQUND 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. Other † Require lab approval

☐ <sup>†</sup>72-Hr ☐ <sup>†</sup>4-Day

tate/Time:

☐ <sup>†</sup>24-Hr ■ <sup>†</sup>48-Hr

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

Page 12 of 14

Received/by: (Signaturle)

Relinquished

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



Page 1 of 2



www.contestlabs.com	Sample Recei	pt Checklist		Secretary Company of the Company of
CLIENT NAME: Woodard	and Curran RE	CEIVED BY:	DATE	: 7/22/1s
1) Was the chain(s) of custody	relinquished and signed?	Yes	)No No	CoC Included
2) Does the chain agree with the lf not, explain:	e samples?	Yes	) No	
3) Are all the samples in good c	ondition?	Yes	) No	
If not, explain:				
4) How were the samples receiv	'ed:		•	
On Ice 💢 Direct from S	ampling	bient 🗌 In Co	oler(s)	
Were the samples received in Te	mperature Compliance c	of (2-6°C)? Yes	No N/A	
Temperature °C by Temp blank	Ten	nperature °C by Temp	gun <u>4.</u> 2	4
5) Are there Dissolved samples	for the lab to filter?	Yes	No	
Who was notified			_	
6) Are there any RUSH or SHOR	T HOLDING TIME sample	es? (Yes	No	
Who was notified	Date			
		Permission to	o subcontract s	samples? Yes No
7) Location where samples are stor	ed:	(Walk-in clier	nts only) if not	already approved
		Client Signate	• ,	,
B) Do all samples have the prop	er Acid pH: Yes No	(N/A)		
	·			<del>-</del>
9) Do all samples have the prope	-	(N/A)		
10) Was the PC notified of any di	screpancies with the Co	C vs the samples:	Yes No (	N/A)
Co	ontainers receiv	<u>red at Con-To</u>	<u>est</u>	
	# of containers			# of containers
1 Liter Amber		8 oz amber/o	lear jar	
500 mL Amber		4 oz amber/o	lear jar	)
250 mL Amber (8oz amber)		2 oz amber/c	lear jar	,
1 Liter Plastic		Plastic Bag /	Ziploc	
500 mL Plastic		SOC K	it	
250 mL plastic		Non-ConTest (	Container	
40 mL Vial - type listed below		Perchlorat	e Kit	
Colisure / bacteria bottle		Flashpoint	bottle	
Dissolved Oxygen bottle		Other glas	s jar	
Encore		Other		
aboratory Comments:				
40 mL vials: # HCI	# Methanol		Time a	nd Date Frozen:
Doc# 277 # Bisulfate	# DI Water			
Rev. 4 August 2013 # Thiosulfate	Unpreserve	d		

### Page 2 of 2 Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)
Any False statement will be brought to the attention of Client
Answer (True/False)

Question	Answer (True/False)	<u>Comment</u>
	T/F/NA	
1) The cooler's custody seal, if present, is intact.	NA	
The cooler or samples do not appear to have been compromised or tampered with.	T	
3) Samples were received on ice.	<del></del>	
4) Cooler Temperature is acceptable.	T	
5) Cooler Temperature is recorded.		
6) COC is filled out in ink and legible.		
7) COC is filled out with all pertinent information.	7	
8) Field Sampler's name present on COC.	Ŧ	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	7	
12) Containers are not broken or leaking.		
13) Air Cassettes are not broken/open.	JA .	
14) Sample collection date/times are provided.	7	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.		
17) No headspace sample bottles are completely filled.	T	
18) There is sufficient volume for all requsted analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA .	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	
Who notified of Fals Doc #277 Rev. 4 August 2013 Log-In Technician Ir		te/Time: 7/22/15 161S

#### RIVERFIELD RENOVATIONS - PROJECT SUMMARY

ConTest Analytical Laboratory Job Numbers: 15A0032, 15A0034, 15D0869, 15F0582, 15F0583, 15F1436, 15F1437, 15F1439, 15G0028, 15G0106, 15G0312, 15G0521, & 15G1038

The data validation was conducted in accordance with "USEPA Contract Laboratory Program National Functional Guidelines for Superfund Organic Methods Data Review" June 2008; "EPA New England Environmental Data Review Supplement For Regional Data Review Elements and Superfund Specific Guidance/Procedures" April 2013, the Quality Assurance Project Plan (QAPP); and the referenced method.

The criteria detailed below were used to qualify the data. Raw data were not used to verify the results reported by the laboratory.

Samples were received at 2.7, 4.2, 4.4, 4.6, 4.9, 5.6, 5.9, and 21.0 degrees Celsius. Although some samples were received at ambient temperature they were submitted to the laboratory on the day of collection and no qualifications were applied.

#### PCBs:

All polychlorinated biphenyl compound (PCB) samples were extracted and analyzed within technical holding times. No qualifications were applied.

All PCB surrogates met acceptance criteria. No qualifications were applied.

The PCB method blanks were non-detect (ND) for all target compounds. No qualifications were applied.

No PCB equipment rinsate blank samples were submitted with these analytical packages. No qualifications were applied.

The PCB matrix spike/matrix spike duplicate (MS/MSD) performed on samples RES-VBB-023 (15D0869-01), RES-CBB-030 (15F0583-03), RES-CBC-036 (15F1437-01), RES-CBC-040 (15G0106-01), and RES-CBC-043 (15G0312-01) met recovery (40-140%) and relative percent difference (RPD) ( $\leq$ 50) acceptance criteria with the following exceptions:

LAB ID	SAMPLE ID	PCB-1016 (%) RPD	PCB-1260 (%) RPD	QUALIFIER
15G0106-01	RES-CBC-040	OK/OK/37.2/OK 95.8/84.4	OK/OK/37.4/OK 95.6/95.0	None, only 1 recovery for each Aroclor out and sample ND

The PCB laboratory control sample/laboratory control sample duplicate (LCS/LCSD) met recovery (40-140%) and RPD ( $\leq$ 30) acceptance criteria with the following exception:

COMPOUND	%R/%R/%R/%R (RPD)	IMPACTED SAMPLES	QUALIFIER
Aroclor-1260	OK/OK/OK/OK (32.6/OK)	All 15F1437 & 15F1439	None, samples ND

No PCB field duplicate samples were submitted with these analytical packages. No qualifications were applied.

The RPD between the column results for all detected PCBs met acceptance criteria with the following exception:

LAB ID	SAMPLE ID	РСВ	RPD	QUALIFIER
15G0312-02	RES-CBB-044	1254	32	J

Data Check, Inc. P.O. Box 29 81 Meaderboro Road New Durham, NH 03855

Gloria J. Switalski:

President

Date: 11/4/2015

Page 1 of 1

Project # 227361



# APPENDIX D: WASTE DISPOSAL DOCUMENTS

150002 30yd3038 304235

	NON-HAZARDOUS	Generator ID Number		2. Page 1 of	3. Emerg	gency Response	Phone		racking Numb			
	WASTE MANIFEST 40CFRPART76		RT761	1		-257-6300				NONH	<u> A Z O</u>	1
	5. Generator's Name and Mailin  Town of Fairfield, 1625 Mill Plain R Fairfield CT 068 Generator's Phone: 6. Transporter 1 Company Nam	/Fairfield Public School load 825			Generato	or's Site Address	s (if different t	han mailing addr				
								CT		0505	0.5	g l
	7. Transporter 2 Company Nam	JIES, LLC.						U.S. EPA ID	Number	0 5 0 3	<u> </u>	0
	8. Designated Facility Name and Minerva Enterpri- 9000 Minerva Ro Waynesburg Oh	ses, LLC oad 1 44688						U.S. EPA ID	Number			
ļ	Facility's Phone: 330 8		<del></del>			10. Conta		11. Total Quantity	12. Unit Wt./Vol.			
	1	<del></del>	<del></del>			No.	Туре	Quantity	44(2)401,			
GENERATOR	RQ UN3077,	Environmentally hazardo ted Biphenyls, Asbestos)		, sold, n.c	D.S.	œ1	Cm	6363	KG			
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	3.											
	4.											
	13. Special Handling Instruction	· · · · · · · · · · · · · · · · · · ·					<u> </u>	-				
	14. GENERATOR'S/OFFEROR	PCB Bulk Product Was	Com ##	consignment a	are fully an	d accurately des	scribed above	by the proper st	nipping name,		rd, package	ed.
	Generator's/Offeror's Printed/Ty		•						<b>5.</b>	Month	Day	Year
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N I	International Shipments     Transporter Signature (for expo	Import to U.S.		Export from	U.S.	Port of er Date leav	ntry/exit:					
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TRANSPORTER	Transporter 2 Printed/Typed Na			Sig \\ \	gnature.	mde	P/	Jun		Month   (,2_	Day	Year / Y
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	та. ывстврансу посацоп эрг	Quantity	∟ Турв		 Mani	Residue	Numberi	Partial Re	jection	□ l	Full Rejecti	on
Ĕ	17b. Alternate Facility (or General	rator)						U.S. EPA ID	Number			
ACI	Facilitr's Phono-							1				
DESIGNATED FACILITY	Facility's Phone:  17c. Signature of Alternate Facility's Phone:	ility (or Generator)				· · · · · · · · · · · · · · · · · · ·	<del></del>			Month	Day	Year
- DESIG				•								
	18. Designated Facility Owner of	or Operator: Certification of receipt of m	aterials covered by the	manifest excep	pt as noted	in Item 17a	<del>)</del> /	7				
¥	Printed/Typed Name	Roberts	·		gnature	11			_	Month 	3	) <sup>831</sup> /
169	9-BLC-O 5 11977 (Rev.	. 9/09)			مرت	1 /		DESIGNAT	ED FACIL	LITY TO G	ENER	ATÓR

, , ,	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number		2. rage 1 0	203	gency Hespons 269-8	8300	A	HA-1S	1		
	5. Generator's Name and Ma	illing Address							ess) Ca	hm!		
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	Fairfield.	706824	102		, <i>1</i> 4	2005 N	11111	uin Fa	12 711			
	Generator's Phone: 6. Transporter 1 Company Na	held Rd 7 0083-650-80 ame	<u>0</u> 2	<del>-</del>	<u></u>	airfie	عر الم	U.S. EPA ID	Number			
	Fans Wa	1 1	_									
	7. Transporter 2 Company Na	ame ,						U.S. EPA ID	Number			- <del></del>
	1 rans Wa	and Site Address						U.S. EPA ID	Number			
	Winene Fr	and Site Address	<u>'</u> _C					J.U. CFA IL				
	4000 Mineria	104 44688										
	Facility's Phone: 33	0-866-3435							<del></del>			
	9. Waste Shipping Na	vne and Description	_ <del>-</del>	_	-	10. Con	tainers Type	11. Total Quantity	12, Unit Wt/Vol.			
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Å	NON-HAZARDOUS 1.	Generator ID Number	2. Pa	ge 1 of 3. Emer	gency Respons			racking Num	ber		
	5 Generator's Name and Mailing A	address		General KIV	or's Site Addre	ss (if different to	nan mailing addin	ess) Schoo	 }		
.	Town of Fairfie 7350 H Post Rd Townield, CT of Generator's Phone: 303- 6. Transporter 1 Company Name	7689Y		63	5 Mil	Plain	1 Rd	_			
	Generator's Phone: 20.3- 6. Transporter 1 Company Name	-650-0083			iv held	y Ci (	U.S. EPA ID	Number			
	7. Transporter 2 Company Name	e,Inc.				_	U.S. EPA ID	Number			
	A Designated Facility Name and S	e luc		· -	<del></del>		U.S. EPA ID	Number			
	8 Pesignated Facility Name and S MINENA ENTER 9000 Minera	picises, ac					0,0,0,7,0				
	Waynesburg, of Facility's Phone: 330	14 44688 2-81de-3431									
	9. Waste Shipping Name an	· ·			10. Con No.	tainers Type	11. Total Quantity	12. Unit Wt./Vol.	•		
GENERATOR -	1. BUIL Produ block, bnck	ethorse doors and Non-France	i windows, po Le asbestos	iper	01	RO	27	λ\			
GEN	2.			,							
	3.										
	4.										
	13. Special Handling Instructions a	nd Additional Information			- <del>-</del>						
	# Can	<i>300</i>									
		CERTIFICATION: I hereby declare the and are in all respects in proper con-							and are classifie	d, packaged	d,
¥	Generator's/Offeror's Printed/Types  SALVATORE MORA	1 Name <u>18170 - FPS MG2 07</u>	CONSTA/SEC/SAF	Signature	hatore	Nores	t.		Month	Day	Year / 5
INT'L	15. International Shipments  Transporter Signature (for exports)	Import to U.S.	I - 1	n from U.S.	Port of e	entry/exit wing U.S.:				<del></del>	
RTER	16. Transporter Acknowledgment of Transporter 1 Printed/Typed Name			Signature	۲ >				Month	Day	Year
THANSPORTER	Transporter 2 Printed/Typed Name	n Pris	(0	Signature,					Month	<b>3</b> 0	/S Year
TH.≜	17. Discrepancy	lie knowler			arlu	Know	les_			1301	15
A	17a. Discrepancy Indication Space	Quantity	Туре		Residue		Partial Re	ejection		Fuli Rejecti	ion
				Mar	ifest Reference	Number:		N			
CILITY	17b. Alternate Facility (or Generato	r)					U.S. EPA ID	Number			
ED FA	Facility's Phone: 17c. Signature of Alternate Facility	(or Generator)	·						Month	Day	Year
DESIGNATED FACILITY	The Control of the Co		<del></del>				· · · · · · · · · · · · · · · · · · ·				
- DES											
	16. Designated Facility Owner or O	perator. Certification of receipt of ma	terials covered by the manifest	t except as noted	in Item 17a				Month	,D4sr	Voor
¥	Mat No	lohs			Oty				Month	4-1	<u>اڭ"</u>

Å	NON-HAZARDOUS	Generator ID Number		2. Page 1 of	3. Emerg	gency Response	Phone	4. Waste 1	racking Nur	mber		
ŀ	WASTE MANIFEST	4 O C F R P A	RT761	1		-257-630		<u>0</u>	817	6.NONE	LA Z	0.2
	5. Generator's Name and Maili	•			Generato	or's Site Address	(if different t	nan mailing addi	ress)			
	1625 Mill Plain F Fairfield CT 06 Generator's Phone:	\$825 		1								
	6. Transporter 1 Company Nan	ne						U.S. EPA ID	Number			
	7. Transporter 2 Company Nan	ne	<del> </del>					U.S. EPA ID	Number	<del></del> ,		<del></del>
	0.0.1.15.37.45	100 110										
	8. Designated Facility Name ar Minerva Enterpi 9000 Minerva R Waynesburg O Facility's Phone: 330	rises, LLC Road H 44688						U.S. EPA ÎD	Number			
H	1				Т	10. Conta	iners	11. Total	12, Unit			
	9. Waste Shipping Name	e and Description				No.	Туре	Quantity	Wt/Vol.	<b>,</b>		
GENERATOR	RQ UN3077 (Polychlorina 9, PGIII	, Environmentally hazar ated Biphenyls, Asbesto	dous substances s)	s, solld, n.o	.s.	0 0 1	СМ		К			
(E)	2.											
	3.								<del>   </del>			
	4.											
	13. Special Handling Instruction	ns and Additional Information										
	1)Job #08-176	PCB Bulk Product Wa	ste weight is an	estimate	7	50 pp	n					
	Out of Service L	Date	_ERG#171			'						
	14. GENERATOR'S/OFFEROF marked and labeled/placard	I'S CERTIFICATION: I hereby declar led, and are in all respects in proper	re that the contents of this condition for transport acco	consignment are ording to applica	fully and ble intern	d accurately desinational and natio	cribed above onal governm	by the proper shental regulations	nipping name	, and are classifi	ed, packas	ged,
I↓	Generator's/Offeror's Printed/Ty	ped Name	e of Course	Sign	ature	atore W	26	<u></u>		Month	Day	Year
<del>'</del>	15. International Shipments	Import to U.S.	C 7 -C25,7 E .	Export from U.	<u> </u>			<del></del>		🔑		15
Ĭ¥	Transporter Signature (for expo	rts only):			.3.	Port of ent Date leavi	•					_
띪	16. Transporter Acknowledgme Transporter 1 Printed/Typed Na		·	Sien						Manth	Davi	V
P.	Brown	Transfort		I Y	ature	) <i>(</i>	) ) s Ass			Month	Day	Year
TRANSPORTER	Transporter 2 Printed/Typed Na	ime		Sign	ature	angre.	1700			Month	Day	Year
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A	<ul><li>17. Discrepancy</li><li>17a. Discrepancy Indication Sp.</li></ul>	ace				<del></del> .		<del></del>				
	,,	Quantity	Туре		L	Residue		Partial Re	jection	L.J	Full Rejec	tion
			<del>_</del>		Manif	est Reference N	lumber:					
LΙΔ	17b. Alternate Facility (or Gene	rator)						U.S. EPA ID	Number			
ACII	Facility's Phone:							1				
EO F	17c. Signature of Alternate Faci	lity (or Generator)		<del>-</del> -			•			Month	Day	Year
iNAT												
DESIGNATED FACILITY									-			
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		or Operator: Certification of receipt of	materials covered by the r			in Item 17a					2~	
V	Printed/Typed Name	148		Sign: I	ature /	100	سيد.ا			l Both	23	~
		<u> </u>			-	<i>***</i>	حصلا		<del></del>		<u> </u>	

A	NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	4	2. Page 1 of 3. Em				Tracking Numb			
	5. Generator's Name and Mailir	40CFRPAF ling Address	<u> </u>		<b>50-257-630</b> erator's Site Address		than mailing add	8 1 7 6 ress)	NONH	LAZO	) 3_
		d/Fairfield Public School Road			ator o cito i all	a in announce	High maning week	taa,			
	6. Transporter 1 Company Nam			<del></del>			U.S. ÉPA ID	Number			
	7. Transporter 2 Company Nam						U.S. EPA ID	Number	·	÷.	
	8. Designated Facility Name an Minerva Enterpri 9000 Minerva R Waynesburg Oi Facility's Phone: 330	rises, LLC Road NH 44688					U.S. EPA ID	Number			
	9. Waste Shipping Name				10. Conta	tainers Type	11. Total Quantity	12. Unit Wt./Vol.			
GENERATOR -	RQ UN3077 (Polychlorina 9, PGIII	7, Environmentally hazardo ated Biphenyls, Asbestos)	us substances	s, solid, n.o.s.	0 0 1	СМ	50 <sub>y</sub>	1 <sup>3</sup> K			
GE/							·				
	3.										
	4.										
	Out of Service D	PCB Bulk Product Wast DateI	ERG#171	7	SOPPIN						
	markeu anu labeleg/placarge	R'S CENTIFICATION: I hereby declare the ded, and are in all respects in proper con yped Name	icition for transport acco	cordino to applicable inte	temational and natk	lional novemmi	encitel requietions	lipping name, a	and are classifie Month		ed, Year
<b>▼</b>	Salvatore M 15. International Shipments	yped Name  Norabito F13 M €  □ Import to U.S.	in of Con	Export from U.S.	water M	nas	<u>t</u>		6		15
ER INT'I	Transporter Signature (for exported 16. Transporter Acknowledgment)	orts only): ent of Receipt of Materials	<u> </u>	1 Export from 0.5.	Port of en						
TRANSPORTER	Transporter 1 Printed/Typed Nar  Bro VUM  Transporter 2 Printed/Typed Nar	THUCKING	}_	Signature Signature	ennis	Bra	ue_		Month   6	Day Day	Year 5 Year
Ā	17. Discrepancy 17a. Discrepancy Indication Spa	ace 🗀							<u></u> _		
		L.J Quantity	Type	l M	Residue  anifest Reference N	Number:	Partiai Rej	action	F	Full Rejectio	π
CILITY	17b. Alternate Facility (or General	ator)					U.S. EPA ID N	Number	<u> </u>		
	Facility's Phone: 17c. Signature of Alternate Facili	lity (or Generator)							Month	Day	Year
- DESIG							·	<del></del>			<del></del>
	18. Designated Facility Owner o	or Operator: Certification of receipt of mat	terials covered by the r	manifest except as not	ed in Item 17a	<u>ト</u> ー	<del></del>				_
¥	Printed/Typed Name	Kim Roberts		Signature		7			Month	231	Year

	Generator ID Number		O Demail at London	marane Been	o Dhona	A 100-14 1	Tenakina Mara 1	<b></b>	
NON-HAZARDOUS WASTE MANIFEST	4 0 C F R P	A D T 7 C 1	1 1	mergency Respons 160-257-630			Tracking Numb	nonha <i>z</i>	0.4
5. Generator's Name and Ma	iling Address Id/Fairfield Public Scho			erator's Site Addres		han mailing add	Iress)	N.O.N.H.A.Z	<u>u 4</u> .
1625 Mill Plain Fairfield CT 0	Road	<b>0</b> 4	1						
ienerator's Phone: Transporter 1 Company Na	ıme					U.S. EPA IC	Number		
ransporter 2 Company Na	ime	<del></del>	···			U.S. EPA 10	) Number		
esignated Facility Name : Minerva Enterp			•			U.S. EPA IC	Number		
9000 Minerva I Waynesburg C cility's Phone: 330	Road OH 44688					1			
9. Waste Shipping Nar				10. Contr	ainers Type	11. Total Quantity	12. Unit Wt./Vol.		
🛝 (Polychlorin	7, Environmentally haza ated Biphenyls, Asbes	ardous substance	s, solid, n.o.s.		,,,-	Ø,			
9, PĞIII				001	СМ	<u>804</u>	WK		
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3. ,-									
4.	·	-		<del></del>			-		
<u> </u>									
. special Handling Instruction 1) Job #08-176	ons and Additional Information  PCB Bulk Product V	Vaste weight is an	estimate						
Out of Service	Date	ERG#171	Countie	フロへ	0.00				
				750p	pry.				
GENERATOR'S/OFFERO	R'S CERTIFICATION: I hereby de	lare that the contents of this	s consignment are ful	y and accurately des	scribed above	by the proper s	hipping name, a	and are classified, pack	aged,
nerator's/Offeror's Printed/	rded, and are in all respects in prop Typed Name	er condition for transport ac	cording to applicable Signatur	ntemational and nat	ional governm	ental regulation	S.	Month Day	Year
Salvatore N	Typed Name  Corabito FPS A	AGR of CON	STR SA	watere Y	Noral	uto		6 22	
. International Shipments	Import to U.S.		Export from U.S.	Port of er	ntrv/exit:				
nsporter Signature (for exp	orts only):			Date leav	-				
Transporter Acknowledgm rsporter 1/Printed/Tyced N	ent of Receipt of Materials	<u> </u>	Signatur	•				Month Day	Year
BRONT		roching	J Signatur	- with	-			16123	
sporter 2 Printed/Typed N	lame	- Oct - S	Signatur	9		·	<del> </del>	Month Day	Year
Discrepancy									
Discrepancy Indication S	pace Quantity	☐ <sub>Туре</sub>		Residue		Partial Re	ejection	Full Rejo	ection
Alternate Facility (or Gen	erator) ·			Manifest Reference I	vomber:	U.S. EPA ID	Number		
ity's Phone:						1			
Signature of Alternate Fa	cility (or Generator)		1					Month Day	Year I
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			neid the same						
		·							
	or Operator: Certification of receipt	of materials covered by the		- 4 1					
rinted/Typed Name WL GRU	VÆS		Signatur	41/1 M	ous	_		Month Day	Year
wryn	· • · · · ·		. • 1	1000 C	~ •			\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	11

Ā	NON-HAZARDOUS	Generator ID Number		2. Page 1 of 3	3. Emerge	ncy Response	Phone	4. Waste Tr	acking Num	ber	
<b> </b>	WASTE MANIFEST	40CFRPART	7 6 1	1		<u> 257-6300</u>				NONHA	Z 0 5
	5. Generator's Name and Mailin	ng Address			Generator	s Site Address	(if different t	han mailing addre	ess)		
	1625 Mill Plain F Fairfield CT 06 Generator's Phone:			I							
	Transporter 1 Company Nam	ne				_		U.S. EPA ID I	Number		
	7. Transporter 2 Company Nam	18		· · · · · · · · · · · · · · · · · · ·				U.S. EPA ID I	Number		
	Designated Facility Name an	d Site Address						U.S. EPA ID I	Number		
	Minerva Enterpr 9000 Minerva R Waynesburg Ol	oad H 44688						1			•
	Facility's Phone: 330	866-3435				10, Conta	inare	44.7.1	45.11.11		
	. 9. Waste Shipping Name	e and Description				No.	Type	11. Total Quantity	12. Unit   Wt_/Vol.		
GENERATOR .	RQ UN3077 X (Polychlorina 9, PGIII	, Environmentally hazardous st ted Biphenyls, Asbestos)	ubstances,	solid, n.o.	S.	0 0 1	СМ	TOUR	κ		
GENE	2.	······································			$\top$	001	O.W.	<del></del>	<u> </u>		
	3.										
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ŀ	13. Special Handling Instruction	es and Additional Information								<del></del>	
H	1) Job #08-176	PCB Bulk Product Waste we		stimate				. في			
	Out of Service L	DateERG	#1/1			7	50 pp	m.			
	marked and labeled/placard	Y'S CERTIFICATION: I hereby declare that the cled, and are in all respects in proper condition to								and are classified,	packaged,
l↓ V	Generator's/Offeror's Printed/Ty	ped Name MGR Lorabito FPS Cons	74 T4	Sig <del>or</del>	sture of a	tire M	neli	\$			Day Year 2 Z   15
INT'L	15. International Shipments	Import to U.S.		Export from U.		Port of en	try/exit:				
	Transporter Signature (for expo 16. Transporter Acknowledgme					Date leavi	ing U.S.:				
ORTE	Table 4 Deleted Town of No.		Tour	Signs	ature	fa-	1/				Day Year
TRANSPORTER	Transporter 2 Printed/Typed Na	ANDRUCI J WC192	L jeur	Signa	ature			7 7		-  -	2   15 Day Year
- TR	17. Discrepancy				<u> </u>	<del></del>			<del></del>		
l↑	17a. Discrepancy Indication Spa	ace Quantity	Type			Residue		Partial Reje	ection	Full	Rejection
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E	17b. Alternate Facility (or Gene	rator)			ALE III G		VI.	U.S. EPA ID I	Number		
DESIGNATED FACILITY	Facility's Phone:							<u>L</u> _			
ATED	17c. Signature of Alternate Fact	ility (or Generator)								Month	Day Year
SIGN				<u></u> L		<del></del>		<del></del>	<del></del>		
H											
		or Operator. Certification of receipt of materials	covered by the m			Ntem 17a					
¥	Printed/Typed Name	Dunne		Signa	ature $\sqrt{\lambda}$	N_	-			Month 1	

									<u> </u>
¥	NON-HAZARDOUS	Generator ID Number	:	2. Page 1 of 3. Emer	rgency Response	Phone	4. Waste Ti	acking Num	ber
וון	WASTE MANIFEST	40CFRPAR	T 7 6 1		)-257-630¢		0.8	3176	NONHAZO6
	5. Generator's Name and Maili	ng Address		General	tor's Site Address	(if different t	han mailing addre	ess)	
	Town of Fairfield 1625 Mill Plain I	d/Fairfield Public School Road							
	Fairfield CT 06			I					
	Generator's Phone: 6. Transporter 1 Company Nar						U.S. EPA ID	Numbar	<del></del>
	6. Hansporter i Company Nai	IIB					U.S. EFA ID	MILLIDES	
	7. Transporter 2 Company Nar	me				· · · · · · · ·	U.S. EPA ID	Number	#
	8. Designated Facility Name ar	nd Site Address				<del></del>	U.S. EPA ID	Number	• •
	Minerva Enterp	rises, LLC							
Ш.	9000 Minerva R								
	Waynesburg O Facility's Phone: 330								
Н					10. Conta	iners	11. Total	12. Unit	
Н	Waste Shipping Nam	e and Description			No.	Туре	Quantity	Wt./Vol.	
GENERATOR -	本 (Polychlorina	, Environmentally hazardous ated Biphenyls, Asbestos)	s substances,	solid, n.o.s.			(.F.		
E	9, PGIII				0 0 1	CM		K	
Ë	2.						•		
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	3.							<del>                                     </del>	
	3.								
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Ш,									
	13. Special Handling Instructio	ns and Additional Information		·				<del>'</del>	
Ш	1)Job #08-176	PCB Bulk Product Waste		stimate					
Ш	Out of Service I	Date El	RG#171	-	75000	~			
11				/	750 pp	, ( .			
Ш									
H	14 GENERATOR'S/OFFEROI	R'S CERTIFICATION: I hereby declare that	the contents of this or	nocionment are fully a	nd accurately des	crihed above	by the proper sh	inning name	and are classified nackaged
Ш		ded, and are in all respects in proper conditi							and and siassinou, passages;
	Generator's/Offeror's Printed/T	yped Name		Signature	7 7	2	<i>/ </i>		Month Day Year
٧	Salvatore M	rabito FPS Men	OF CONST	n Jahr	atou !	Ylma	sia		6 22 15
ΤĹ	15. International Shipments	Import to U.S.		Export from U.S.	Port of en				
INT	Transporter Signature (for expe	orts only):			Date leavi	-			
ER	16. Transporter Acknowledgme		5				· <del></del> ·		
TRANSPORTER	Transporter 1 Printed/Typed N	1 1 1 . / / .	1/	(Signapore)	1	`			Month Day Year
SP(	Oren C		اجاد)		<u> </u>	<del>~</del>			6 (( /)
Ă	Transporter 2 Printed/Typed N	ame	$\mathcal{I}$	Signature					Month Day Year
E						<del></del>			
<b>A</b>	17. Discrepancy								<u> </u>
י	17a. Discrepancy Indication Sp	pace Quantity	☐ <sub>Туре</sub>		Residue		Partial Rej	ection	Full Rejection
								•	
	17b. Alternate Facility (or Gene	erator)		Mar	nifest Reference N	lumber:	U.S. EPA ID	Number	<del>-</del>
	TO ALCOHOLO FACILITY (OF CHIE	siator)					0.0, LFA IU		
ACI	Conilitato Dhanna								
DESIGNATED FACILITY	Facility's Phone: 17c. Signature of Alternate Fac	cility (or Generator)							Month Day Year
ATE		A 24. manages		1					
IGN		<del></del>		<del> </del>					
DES									
$\lceil \overline{\cdot} \rceil$									
	18. Designated Facility Owner	or Operator, Certification of receipt of mater	ials covered by the ma	anifest except as note	d in Item 17a		<del></del>		
	Printed/Typed Name	C		Signature /	1 1-1				Month Day Year
<b> </b>	KY:	*75		$ \downarrow$ $\stackrel{\cdot}{\not}$	Win	to			6-23-15

	\$ - <del>1</del>	. ·	150		5		•	315	711	
A	NON-HAZARDOUS 1. Generator ID N WASTE MANIFEST 4. 0. C	•			gency Response			racking Num		4707
	5. Generator's Name and Malling Address  Town of Fairfield/Fairfield Pu 1625 Mill Plain Road Fairfield CT 06825 Generator's Phone:	FRPART7 blic School	<u> </u>		<b>-257-630</b> 0 or's Site Address		han mailing addre	<u>5 1 <i>7</i> 0</u> ess)	NUNH	<u> A Z O 7</u>
	6. Transporter 1 Company Name			•			U.S. EPA ID	Number		
	7. Transporter 2 Company Name	- · · · ·					U.S. EPA ID	Number		
	8. Designated Facility Name and Site Address Minerva Enterprises, LLC 9000 Minerva Road Waynesburg OH 44688 Facility's Phone: 330 866 3436						U.S. EPA ID	Number		
	9. Waste Shipping Name and Description			-	10. Contai	iners Type	11. Total Quantity	12. Unit Wt./Vol.		
GENERATOR -	RQ UN3077, Environme (Polychlorinated Bipheny 9, PGIII	ntally hazardous subsis, Asbestos)	stances, solid, Attachi	n.o.s.	0 0 1	СМ	75 yd	Sĸ		
	3.									
	13. Special Handling Instructions and Additional In  1) Job #08-176 PCB Bulk  Out of Service Date	Product Waste weigh	71						ppm	
	GENERATOR'S/OFFEROR'S CERTIFICATIO     marked and labeled/placarded, and are in all re     Generator's/Offeror's Printed/Typed Name	spects in proper condition for tra	nsport according to ap	plicable interr	national and natio	nal governm	ental regulations.	pping name,	Month	Day Year
<b>∀</b> .		PS MGROFCON	ISTR	Salu	atore n		سکرتر		6	22 15
INT'L	Transporter Signature (for exports only):  16. Transporter Acknowledgment of Receipt of Ma	- <u>-</u> -	Export fro	m U.S.	Port of ent Date leavi					
TRANSPORTER	Transporter 1 Printed/Typed Name  LUC 19 LOCAL Transporter 2 Printed/Typed Name	ns.		Signature Signature	She	<u></u>			Month Month	Day Year  Day Year
<b>*</b>	17. Discrepancy  17a. Discrepancy Indication Space Quant	ity	Туре	Manil	Residue	umber	Partial Rej	ection	F	ull Rejection
SILITY	17b. Alternate Facility (or Generator)			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		<u></u>	U.S. EPA ID I	Number		
DESIGNATED FACILITY	Facility's Phone: 17c. Signature of Alternate Facility (or Generator)								Month	Day Year
DES										
<b>₩</b>	18. Designated Facility Owner or Operator: Certific Printed/Typed Name		<del></del>	cept as noted Signature	in Item 17a				Month 7	Day Year

À	NON-HAZARDOUS	Generator ID Number		2. Page 1 of 3.	Emergency Respons	e Phone	4. Waste T	racking Num	iber		
Ш	WASTE MANIFEST	4 O C F R P /	RT761		360-257-630			8176	HUONE	ΑZ	0.8
	5. Generator's Name and Maillin  Town of Fairfield  1625 Mill Plain F  Fairfield CT 06  Generator's Phone:	i/Fairfield Public School Road	K	Ge	nerator's Site Addres	s (if dilferent t	han mailing addr	ess)			
	6. Transporter 1 Company Nam					·	U.S. EPA ID	Number			
	7. Transporter 2 Company Nam	ne J			<del>-</del>	•	U.S. EPA ID	Number			
	Designated Facility Name an Minerva Enterpr 9000 Minerva R Waynesburg Ol Facility's Phone: 330	ises, LLC load H 44688				-	U.S. EPA ID	Number			
	9. Waste Shipping Name		<del> </del>		10. Conta	ainers Type	11. Total Quantity	12. Unit Wt./Vol.			
GENERATOR —	(Polychlorina 9, PGIII	, Environmentally haza ted Biphenyls, Asbesto	os) Car	, solid, n.o.s	-	СМ	75yd	5 K			
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	3.										
	4.			-						_	
	Out of Service D	PCB Bulk Product Woodled  are CERTIFICATION: I hereby deciled, and are in all respects in prope	ERG#171	consignment are fu	750 ppm	scribed above	by the proper sh ental regulations	ipping name,	and are classifie	ed, packag	ged, Year
۷,	Salvatore Mon	rabito FPS Ma	r/CONSTR	<u> Sa</u>	votore N	loras	its_		ો છે	•	15
ĪNI	15. International Shipments Transporter Signature (for expo			Export from U.S.	Port of er Date leav	-					
ATER	16. Transporter Acknowledgmer Transporter 1 Printed/Typed Na	ıme		Signatu	re -		<del></del>		Month	Day .	Year,
THANSPORTER	Transporter 2 Printed/Typed Na	Begn		Signatu	. Seen	ben			Month	24 Day	75 Year
<u> </u>	17. Discrepancy		<u> </u>					<del></del>			
	17a. Discrepancy Indication Spa	Quantity	Туре		Residue  Manifest Reference 1	vumber .	Partial Rej	ection	□ f	Full Reject	ion
CILI	17b. Alternate Facility (or Gener Facility's Phone:	rator)			- National Control	vernour.	U.S. EPA ID	Number		-	
GNATED	17c. Signature of Alternate Facilities	lity (or Generator)							Month	Day	Year
' I L	· · · · · · · · · · · · · · · · · · ·										
1	18. Designated Facility Owner of Printed/Types Name	r Operator: Certification of receipt of	f materials covered by the m							·	
<u> </u>	Shakon- BLC-0 6 10498 (Rev.	Dunne		Signatur	· AA		ECICNATE		Month	Day	Year 5

A		NON-HAZARDOUS	Generator ID Number		2. Page 1 of	3. Emer	gency Response	e Phone	4. Waste	racking Nu	mber		
	Ļ	WASTE MANIFEST	40CFRPA	RT761	1_	860	-257-630	ΩΩ		817	6 NONE	<b>LAZ</b>	0.9
H	5.	Generator's Name and Mailin Town of Fairfield	g Address /Fairfield Public School			Generate	or's Site Address	s (if different	than mailing add	ress)			
	6	1625 Mill Plain R Fairfield CT 068 enerator's Phone:	load		1								
	_	Transporter 1 Company Name	6			···			U.S. EPA ID	Number			
	7.	Transporter 2 Company Name	e		<del>_</del> :				U.S. EPA ID	Number			
Н	8.	Designated Facility Name and							U.S. EPA ID	Number	·		
	F	Minerva Enterpri 9000 Minerva Ro Waynesburg Oh acility's Phone: 330 8	oad 1 44688						1				
Н	Ë					—	10. Conta	iners	11. Total	12. Unit			
		9. Waste Shipping Name	and Description			-	No.	Туре	Quantity	Wt./Vol.			
GENERATOR -		RQ UN3077, X (Polychlorinat 9, PGIII	Environmentally hazard ted Biphenyls, Asbestos	lous substances	, solid, n.c	s.s.	0.0.1	CM		14			
뿚	_	2.					0 0 1	CM		K			
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Ш	13	. Special Handling Instructions		·	<u> </u>					<u> </u>			
		1)Job #08-176	PCB Bulk Product Was		estimate		· ·						
11		Out of Service Da	ate	ERG#171		/	50 pg	)M .					
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	L	marked and rapeled/placarde	S CERTIFICATION: I hereby declared, and are in all respects in proper or	that the contents of this condition for transport acco	consignment are	e fully and	accurately desc	cribed above	by the proper sh	ipping name	, and are classifi	ed, packaç	ged,
	Ge	nerator's/Offeror's Printed/Typ	ed Name		Sign				ملكاه		Month	Day	Year
Ľ	<u>_</u>	International Shipments	rabito FPS M	anof CONST	<u> </u>	<u>ىر</u>	<u>~ato√</u>	* AACT	مككم		156	24	15
INT.		•	Import to U.S.		Export from U.	.S.	Port of ent	-		_			
_		insporter Signature (for export) Transporter Acknowledgment			· -		Date leavir	ng U.\$.:	<del></del>	<del></del>			
TRANSPORTER		Insporter 1 Printed/Typed Nam	10		Sign	atore	<u> </u>		•		Month	Day	Year
SPO		Brown Tr	ransfort		1	Jel	mass	300	w.		16	24	15
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	17	Discrepancy	···							· -			
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			اسا Quantity	∟ Туре			Residue		Partial Rej	ection		Full Reject	tion
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Ė	171	o. Alternate Facility (or General	tor)						U.S. EPA ID I	Number			
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8		cility's Phone: : Signature of Alternate Facility	v (or Generator)	<del></del>			-				Month	Davi	Voor
ξĮ			, ,		1							Day i I	Year
DESIGNATED FACILITY			·····			-	<del></del>	<u>.</u>		<del></del>		L	
삙													
	10	Designated Exciling Owner and	Operator Continued of security	ntadola accessod to st	aultas: 5		. B 4=						
-		ited/Typed Name	Operator: Certification of receipt of m	aterials covered by the m	anifest except a		item 17a				/ Montitu	Pav	Year
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Ā	NON-HAZARDOUS	Generator ID Number		2. Page 1 of	3. Emergency Respon	se Phone	4. Waste	Tracking Nu	mber
	WASTE MANIFEST	40CFR	PART 7 6 1		860-257-63	00	0	8 1 7	6NONHAZ19
П	5. Generator's Name and Mailin	•	Nah a a l		Generator's Site Addr	ess (if different	than mailing add	ress)	
	1625 Mill Plain F Fairfield CT 06 Generator's Phone:		SCHOOL	I					
H	6. Transporter 1 Company Nam	18	<u>-</u>				U.Ş. EPA ID	Number	•
	RED Technolo	gies, LLC							0505958
H	7. Transporter 2 Company Nam	18					U.S. EPA ID	) Number	
Н	8. Designated Facility Name an	nd Site Address	<del></del>				U.S. EPA ID	Number	
	Minerva Enterpr						9.0. CI A IU	, Idaiii Dei	
	9000 Minerva R	load							
	Waynesburg O	H 44688							
					10. Co	ntainers	11. Total	12. Unit	
	9. Waste Shipping Name	e and Description			No.	Type	Quantity	Wt./Vol.	
Ĕ	<sup>1.</sup> NA2212 <del>. A</del>	(PCB Bulk	Product Waste)						
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GE	2.								
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	4.								
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Н	13. Special Handling Instruction	on and Additional Information					<u>.</u>	<b>}</b>	<del>/                                    </del>
П			" luct Waste <50ppm w	eiaht is es	timated Out of	Service D	Date 06	125	/5 ERG#171
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	,						,		
	Con#	3007							
	14. GENERATOR'S/OFFEROR	R'S CERTIFICATION: I her	eby declare that the contents of this	consignment a	re fully and accurately of	lescribed abov	e by the proper si	hipping name	e, and are classified, packaged.
			in proper condition for transport acc	cording to applic	able international and n	ational govern	mental regulation	s.	
I↓	Generator's/Offeror's Printed/Ty	урео Name		7 200	aluatore	ma	aliti		Month Day Year
H	15. International Shipments		Г	¬.			abec 7		<u> </u>
Ĭ	Transporter Signature (for expo	Import to U.S.	_	☐ Export from U		entry/exit: aving U.S.:			
н	16. Transporter Acknowledgme						1		
NSPORTER	Transporter 1 Printed/Typed Na	ime	Char	Sig	nature	N VI	70.		Month Day Year
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Ž	Transporter 2 Printed/Typed Na	ime /	Pagene	Sig:	rature)	ul .			Month Day Year
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M	17. Discrepancy 17a. Discrepancy Indication Spa	ace $\Box$			_ <u> </u>				
	,	Quantity	<u> </u>		Residue		Partial Re	ejection	Full Rejection
Ш					Manifest Referenc	Number			
≥	17b. Alternate Facility (or Gene	rator)		<del></del>	Wat most Profesions	, realison.	U.S. EPA ID	Number	
SE									
FĀ	Facility's Phone:								
Ĭ	17c. Signature of Alternate Faci	llity (or Generator)		1					Month Day Year
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DESIGNATED FACILITY									
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	18. Designated Facility Owner of	or Operator: Certification of	receipt of materials covered by the	manifest except	as noted in tem 17a	,			~ ~
	Printed/Typed Name	11000	, :-		nature	ンプ	<u></u>		MARKET DAY / CO
<b>\</b>	<u> </u>	10175			V .		丁		////
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<b>≬</b>	NON-HAZARDOUS	1. Generator ID Number		2. Page 1 of	3. Emer	gency Respons	se Phone	4. Waste	Tracking Num	ber	
1	WASTE MANIFEST  5. Generator's Name and Mailin	40CFRPA	<u>RT761</u>	1_1	860	-257-630	00 .	0	8176	NONHAZ	2.0
	Town of Fairfield 1625 Mill Plain F	<b>1/</b> Fairfield Public School Road			Generat	or's Site Addres	ss (if different t	than mailing add	iress)		
П	Fairfield CT 06 Generator's Phone:	825		ı							
11	6. Transporter 1 Company Nam	ne					<del></del> -	U.S. EPA II	) Number		
╽┟	RED Technolog	gies, LLC						1		05059	- 0
╽	7. Transporter 2 Company Nam	· 					_	U.S. EPA II	Number	<del>u s u s g</del>	<del>3.</del> 8
Ш	<ol> <li>Designated Facility Name and Minerva Enterpri</li> </ol>							U.S. EPA II	Number -		
$\ $	9000 Minerva Ro Waynesburg Oi	oad + 44688									
lΓ	raciity's Prione: 330 8	<del>366-3435</del>	<del></del>			10.0-11	<del></del>				
	9. Waste Shipping Name	and Description			-	10. Conta	Type	11. Total Quantity	12. Unit Wt./Vol.		
GENERATOR	X 9, PGIII ,	CON - CLA, Now	ict Waste) -DoT Result	dalmok	ve	0.04	214	15			
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1	3. Special Handling Instructions								<del></del>	<del></del>	
	·	PCB Bulk Product Wa	·H2060							ERG#171	
7	4. GENERATOR'S/OFFEROR'S marked and labeled/placarder	S CERTIFICATION: I hereby declared, and are in all respects in proper co	that the contents of this condition for transport acco	consignment are t	ully and	accurately desi	cribed above b	by the proper sh	ipping name, a	nd are classified, packa	ged,
G	Generator's/Offeror's Printed/Typ	ed Name	The Carle of Carle	Signat	ure		unai governme	regulations		Month Day	Year
	5. International Shipments	Import to U.S.		Export from U.S.	lu	Port of ent	<u>Maa</u>	sito	<del>-</del>		
+	ransporter Signature (for exports 6. Transporter Acknowledgment					Date leavi					
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17	7a. Discrepancy Indication Space	e Quantity	Туре	<del></del>		Residue	<del>.</del>	Partial Reje	ection	Full Reject	ion
17	b. Alternate Facility (or Generat	tor)		<del></del>	Manife	st Reference No	umber:				
	acility's Phone:	,						U.S. EPA ID N	lumber		
17	c. Signature of Alternate Facility	r (or Generator)		— I		<del></del>	<u>_</u>	<u> </u>		Month Day	Year
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18.	. Designated Facility Owner or C	Operator: Certification of receipt of m.	aterials covered by the ma	anifest except as	noted in	Item 17a		- <u>-</u>			
Pri.	THOM LABOUT ABILITY	· · · · · · · · · · · · · · · · · · ·		Signatu		1./				Month Day	Year
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	10 100 (1164. 3/	, ,					DE	SIGNATE	D FACIL IT	Y TO GENERA	ATOR

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The act claims stored.  Generator's Size Address (if stream then multip address)  Find Food (in Part   Continue)  Food (in Part	Sometic Name and Vallage Active Comments of the Comment of the Com	WASTE MANIFEST	1. Generator ID Number		2. Page 1 of	3. Emergency Respo	nse Phone	4. Waste	Tracking No	Imher
Fairfield Public School  ## Polan Road  CT 0625  ## Polan Road  CT 0625  ## Polan Road  US. EPA ID Number  ### Some of the second of the consequence of the consequence as right, and accurately described above by the puper shaping name, and one described, peaceper  ### Some of the second of the consequence of the con	Town of Fairfield-Earthead Public School 1525 MB Pain Road Fairfield CT 06825  Fainted CT 06825  Fairfield CT 06825  Fainted CT 06825  Fai	5. Generator's Name and Ma				860-257-63	300			
Schnologies, LLC  CT_ROUGS 5.9.  U.S. EPA D Number	S. Separate Facility Name or State Address   U.S. EPA ID Number	Town of Fairfie 1625 Mill Plain Fairfield CT 0	ld/Fairfield Public Sc Road	thool		Generator's Site Addr	ess (if differer	nt than mailing ac	dress)	<u> PHUNHA</u>
Christopiaes, LLC  U.S. EPA ID Number  U.S. EP	RED Technologies LLC.  7. Transport 2 Solvety News  U.S. EPA D Number  11. Trans  12. Ultimate Shystomy Number  12. U.S. EPA D Number  13. Special-residing framewishs and Academia information  14. A Commission of U.S. COOD  K  15. Special-residing framewishs and Academia information  17. Job #08-176  P.C. B Luk Product Wassie <50ppm weight is estimated Out of Service Date  7. Job #08-176  P.C. B Luk Product Wassie <50ppm weight is estimated Out of Service Date  7. Job #08-176  P.C. B Luk Product Wassie <50ppm weight is estimated Out of Service Date  7. Job #08-176  P.C. B Luk Product Wassie <50ppm weight is estimated Out of Service Date  7. Job #08-176  P.C. B Luk Product Wassie <50ppm weight is estimated Out of Service Date  7. Job #08-176  P.C. B Luk Product Wassie <50ppm weight is estimated Out of Service Date  7. Job #08-176  P.C. B Luk Product Wassie <50ppm weight is estimated Out of Service Date  7. Job #08-176  P.C. B Luk Product Wassie <50ppm weight is estimated Out of Service Date  7. Job #08-176  P.C. B Luk Product Wassie <50ppm weight is estimated out of Service Date  7. Job #08-176  P.C. B Luk Product Wassie <50ppm weight is estimated Out of Service Date  7. Job #08-176  P.C. B Luk Product Wassie <50ppm weight is estimated out of Service Date  8. Job #08-176  P.C. B Luk Product Wassie <50ppm weight is estimated out of Service Date  9. Job #08-176  P.D. B Luk Product Wassie <50ppm weight is estimated out of Service Date  10. Service Date  10. Service Date  11. Service Date  11. Service Date  11. Service Date  12. Service Date  12. Service Date  13. Service Date  14. Servi		une			<del></del>				
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The prises LLC retrieve Road  Jung OH 44688  330 866-3435  Soing Name art Description  To Combiners  Type	Description of Temporal Scale Number   Separation   Sep		_					U.S. EPA II	Number	<del></del>
No. Type	Waynesburg OH 44688 Spaller Hoter. 300 866-3436 9. Wase Proply Nane and Description 10. Containes	8. Designated Facility Name a	nd Site Address			<del></del>				
230 2665 2435  acting Name and Description  10. Containers  11. Total  12. Unit  No. Type  Quantity  Wickfold  12. Actions and Additional Information  8-176 PCB Bulk Product Waste <50ppm weight is estimated Out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated Out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-176 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-177 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-177 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-177 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-177 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-177 PCB Bulk Product Waste <50ppm weight is estimated out of Service Date  9-177 PCB Bulk Product Waste Service Date  9-17	Pacifies Prince 230 & 866-3405  9. Waste Shipping Name and Description  10. Covalines  11. Total 12. Unit No. Type Quantity Wester 230 & 866-3405  10. Special Fending instructions and Additional Information  11. Special Fending instructions and Additional Information  12. Special Fending instructions and Additional Information  13. Special Fending instructions and Additional Information  13. Special Fending instructions and Additional Information  14. ABRIEFATOR'SOPERIOR'S CENTRECTIONS: Thereby declare chart the contents of this consignment are fully and accurately described above by the proper chapting name, and are classified, package and an artificial potential report on the contents of this consignment are fully and accurately described above by the proper chapting name, and are classified, package and an artificial potential report on the contents of this consignment are fully and accurately described above by the proper chapting name, and are classified, package and an artificial potential report on the contents of this consignment are fully and accurately described above by the proper chapter of the contents o	Minerva Enterpi	rises, LLC					U.S. EPA 10	Number	
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poly Name and Description  10. Containers 11. Total 12. Unit No. Type Quantity 12. Containers 11. Total 12. Unit 12. Unit 12. Unit 13. Countity 14. No. Type Quantity 15. Countity 16. Countity 17. Coun	9. Waste Shipping Name and Description  10. Containers  11. Total 12. Uset No. Type Outstill No. Type	Facility's Phone: 330	866-3435	_				1		
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À	NON-HAZARDOUS	Generator ID Number		2. Page 1 of	3. Ernergency Respons	e Phone	4. Waste T	racking Num	ber
П	WASTE MANIFEST		<u> </u>	1	860-257-630		0	8176	NONHAZ23
	5. Generator's Name and Mailing  Town of Fairfield  1625 Mill Plain Fairfield CT 06	I/Fairfield Public Sch Road	loon	1	Generator's Site Addres	s (if different th	an mailing addr	ress)	
H	Generator's Phone:								
Н	6. Transporter 1 Company Nam		-				U.S. EPA ID	Number	
Ш	RED Technolo								<u>0505958</u>
	7. Transporter 2 Company Nan	ne					U.S. EPA ID	Number	
Ш	8. Designated Facility Name an		-				U.S. EPA ID	Number	
	Minerva Enterpr 9000 Minerva R Waynesburg Oi	load							
Ш	Facility's Phone: 330		_						
	9. Waste Shipping Nami				10. Cont	ainers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. 1140040 -				1.0.	1,750		<del>  </del>	
GENERATOR	X 9, PGIII	<b>Imples</b> (PCB Bulk P	roduct VVaste)		0 0 1	CM	7200	> <sub>K</sub>	
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		PCB Bulk Produc	t Waste <50ppm v	veight is es	timated Out of S	ervice Da	nte <u>07</u>	714)	<b>ERG#171</b>
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FACILITY	Facility's Phone:						1		
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	18. Designated Facility Owner of	or Operator: Certification of rece	eipt of materials covered by the						Barrel Marie
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Ā	NON-HAZARDOUS	Generator ID Number		2. Page 1 of	3. Emergency Response	Phone	4, Waste T	racking Nur	ber		
	WASTE MANIFEST		<u>ART761</u>	1	860-257-630	0	0:	8176	HONH	AZ1	6
	5. Generator's Name and Maili	ng Address <b>WFairfield Public Sch</b>	-al		Generator's Site Addres	s (if different t	nan mailing addr	ess)			
	1625 Mill Plain I Fairfield CT 06 Generator's Phone:	Road 6825									
	6. Transporter 1 Company Nar	ne Da / 7	1	•	//	1	U.S. EPA ID			-c.,	
Ш		<u>real</u>	echnolo	918S		<u> </u>		100	0505	75	7
	7. Transporter 2 Company Nar	me	•	)			U.S. EPA ID	Number			
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Н		866-3435						1 1			
	9. Waste Shipping Nam	e and Description			10. Cont	Type	11. Total Quantity	12. Unit Wt./Vol.			
GENERATOR -	X (Polychloring 9, PGIII	7, Environmentally ha ated Biphenyls, Asbe	zardous substances stos)	s, solid, n.c	o.s. 0 0 1	СМ	7800	) к			
- GEN	2.										
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	4.										
Ш	13. Special Handling Instruction					L	<u> </u>	<u></u> L			
Ш	1)Job #08-176	PCB Bulk Product Date 07/29/15	Waste weight is an	estimate							
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Ľ	17b. Alternate Facility (or Gen	erator)	<del></del>		Manifest Reference	Number:	U.S. EPA ID	Number			
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U.	Facility's Phone: 17c. Signature of Alternate Fa	cility (or Generator)		<del></del>					Month	Day	Year
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DESIGNATED FACILITY											
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	18. Designated Facility Owner	or Operator: Certification of rece	eipt of materials covered by the	manifest excer	nt as noted in Item 17a		<del> </del>	W. L.			
	Printed/Typed Name		,		Mature				Month	Day	Year
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A	NON-HAZARDOUS	1. Generator ID Numb	er		2. Page 1 of 3	3. Emergency Response	Phone	4. Waste T	racking Nur	nber		
Ш	WASTE MANIFEST	40CF	RPAR'	<u> 761</u>	1	860-257-630			8176	HUONE	AZ2	2
	5. Generator's Name and Mail Town of Fairfiel 1625 Mill Plain Fairfield CT 06 Generator's Phone:	d/Fairfield Public Road	: School		· 	Generator's Site Addres:	s (if different	than mailing addr	ess)			
H	6. Transporter 1 Company Na	ne						U.S. EPA ID	Number			
H	7. Transporter 2 Company Na	gies, LLC						U.S. EPA ID	ROO	0505	9 5	8
Ш	7. Transporter 2 Company Na	пе						U.S. EPA ID	number			
Ш	8. Designated Facility Name a	nd Site Address			<del></del>			U.S. EPA ID	Number			
	Minerva Enterp 9000 Minerva F Waynesburg C	load H 44688						ı				
	Facility's Phone: 330	<del>866-3436</del>			<del></del>	10. Conta	iner	1	1			
	9. Waste Shipping Nam	e and Description				No.	Туре	11. Total Quantity	12. Unit Wt./Vol.			
GENERATOR -	1. NA2212, As <b>X</b> 9, PGIII	bestos (PCB Bu	.llk Product W	aste)		0 0 1	СМ	10,50x	7 K	. <u>.</u>		
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	3.											
	4.	······································										. *
	13. Special Handling Instruction	ns and Additional Informa	ation		<del></del>				ļ	<del>,</del>		
		PCB Bulk Pro	nereby declare that t	ne contents of this	consignment are	fully and accurately dea	cribed above	e by the proper sh	lipping name	, and are classifie	-	
   	Generator's/Offeror's Printed/T		so in propor dename	in ion in an open to a	Signa	<del> </del>	<u> </u>	L to	<u>-</u>	Month	Day	Year
┟┄	15. International Shipments	Import to U.S			Export from U.S	S. Part of er	trv/exit:	المرودين			<u> </u>	
<u>z</u>	Transporter Signature (for exp	orts only):				Date leav	•	· · · · · · · · · · · · · · · · · · ·				
TER.	16. Transporter Acknowledgme Transporter 1 Printed/Typed N		<u>*</u>		Signa	tura -		<del>- 1                                   </del>		Month	Day	Year
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╽	17. Discrepancy 17a. Discrepancy Indication Sp	Pace Quantity	<del></del> -	Туре	<del> </del>	Residue		Partial Re	jection		Full Rejection	<u> </u>
						Manifest Reference I	Number:					
ጅ	17b. Alternate Facility (or Gene	erator)						U.S. EPA ID	Number			
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ED F	Facility's Phone:  17c. Signature of Alternate Fac	cility (or Generator)								Month	Day	Year
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- DESIGNATED FACILITY												
	18. Designated Facility Owner	or Operator: Certification	of receipt of materia	ils covered by the	manifest except a	s noted in Item 17a				<del></del>		
	Printed/Typed Name	Λ.	A .	., .,	Signa	<del></del>				Month	5334	Year K
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A	NON-HAZARDOUS	1. Generator ID Number				3. Ernergency Response		4. Waste Tr		
	WASTE MANIFEST	40CFR	PART	761	1	860-257-630				NONHAZ17
	5. Generator's Name and Mailin Town of Fairfield 1625 Mill Plain F Fairfield CT 06 Generator's Phone:	VFairfleid Public So Road	chool		I	Generalor's Site Address	s (if different tha	n mailing addre	rss)	
	6. Transporter 1 Company Nam	10				•		U.S. EPA ID I	Vumber	
	RED Technolo	gies, LLC.		_				CTI	R 0 0	0505958
	7. Transporter 2 Company Nam	H6				_		U.S. EPA ID 1	4umber	
	8. Designated Facility Name and Site Address U.S. EPA ID Number									
B. Designated Facility Name and Site Address   U.S. EPA ID Number										
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	9. Waste Shipping Name					No.	Туре	Quantity	WL/Vol.	
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ĺ	3.									
	4.									
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	13. Special Handling Instructions and Additional Information -1) Job #08-176 PCB Bulk Product Waste <50ppm weight is estimated Out of Service-Date 6/39/15 ERG#171							ERG#171		
	~50ppm									
	14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.									
<b>V</b> C	Generator's Offeror's Printed Typed Name  Signature  Signature  Signature  Month Day Year  Signature  Month Day Year  Signature  Month Day Year									
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VATE	170, Signature of Alternate Paci	ily (or Gellerator)			1					MonUn Day Year
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	18. Designated Facility Owner of Printed/Typed Name	r Operator: Certification of re	eceipt of malerials co	overed by the r		l as noted in Item 17a nature				Month Day Voca
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A	NON-HAZARDOUS	1. Generator ID Number	The state of the s	2. Page 1 of	3. Emergency Response	Phone	4. Waste Tr	acking Num	ber	
1	WASTE MANIFEST			- Aller	860-257-6300				7 8 N H O O 1	
	5. Generator's Name and Mailin				Generator's Site Address	(if different t	han mailing addre	ess)		EV
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	1625 Mill Plain F Fairfield CT	<080		y 4.						3
	Generator's Phone:									
	6. Transporter 1 Company Nan	ne 💮 💮	1 1		111	Tieking	U.S. EPA ID I	Number		
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П	8. Designated Facility Name ar	nd Site Address					U.S. EPA ID I	Number		1
Turnkey Landiii										
Н	97 Rochester N Rochester NH									
Н	Facility's Phone: 800									
Н					10. Conta	ainers	11. Total	12. Unit		
	9. Waste Shipping Nam	e and Description			No.	Туре	Quantity	Wt./Vol.		
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Ш	CGATT	095								
	14. GENERATOR'S/OFFEROR	R'S CERTIFICATION: I hereby	declare that the contents of this	consignment a	are fully and accurately des	scribed above	by the proper sh	ipping name,	and are classified, packag	ged,
П			roper condition for transport acco			ional governm	nental regulations.		14 at D	V
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APPENDIX E: CERTIFICATION



## Certification

In accordance with Condition 27 of EPA's July 22, 2014 PCB Cleanup and Risk-Disposal Approval under 40 CFR 761.61(a) and (c) (the Approval), the undersigned party responsible for conducting the cleanup certify that the authorized clean-up activities were implemented in accordance with the Approval and the Notification.

#### **Document Location**

Fairfield Public Schools 501 Kings Highway East Fairfield, CT 06825

**Property Owner and Party Conducting the Cleanup** 

Manager of Construction, Security, and Safety

Salvatore Morasito	1/13/2016
Authorized Signature	Date
Salvatore Morabito	
Name of Authorized Representative (Print)	

Title