Yee Consulting Group, Inc.

March 8th, 2010

Mr. Mario Traficante
Department of Conservation and Recreation
251 Causeway Street
Boston, MA 02114

RE: Department of Conservation and Recreation
Gustave Johnson Memorial Swimming Pool
35 Wanoosnoc Road
Fitchburg, MA

Dear Mr. Traficante:

Yee Consulting Group, Inc. (YCGI) representative Rockey Chan conducted a Polychlorinated Biphenyls (PCB) survey at the above referenced site on February 16th, 2010. The survey is in preparation for the planned demolition of the Bathhouse Facility, which also includes the Manager's Office, Pump Room, and Boiler Room.

## Analysis

**A total of two (2) samples** were collected from the Main Entrance Area of the Bathhouse. The collected samples were submitted to Con-Test Analytical Laboratory in East Longmeadow, MA (Massachusetts Analytical Laboratory ID# M-MA100) for analysis. The PCBs analysis was performed according to EPA SW-846 IIIA Method, Soxhlet Extraction Method 846-8082 for solid waste analysis and EPA CFR 40 Part 761.253.

Of the collected samples, **Sample #01 was found to be above the EPA limit**. The concrete sample #02 was found to below the EPA limit. The Environmental Protection Agency defined a non porous PCB material as 50 part per million (ppm) by dry weight. Enclosed is a copy of the laboratory results. Pictures of the confirmed PCB material can be found in Table I of this report.

| Date of Sample | Sample Number | Description | PCB Description | Sample Result in (ppm) |
|---|---|---|---|---|
| **2/16/10** | **01** | **Gray Caulking on Expansion Joint Floor: Main Entrance** | **Aroclor 1248** | **22,000** |
| 2/16/10 | 02 | Gray Concrete Adjacent to Gray Caulking: Main Entrance | Aroclor 1248 | 21 |
| EPA Limit in Parts Per Million | | | | 50 ppm |

378 Page Street, Unit 14-D, Stoughton, Massachusetts 02072-1124
TEL: (781) 344-3556 FAX: (781) 344-9525

**Discussion:**

Polychlorinated biphenyls (PCB) are an organic class of biphenyls with one to ten chlorine atoms positioned at various points on the benzene rings. There are two hundred and nine possible positions for the chlorine atoms; each possible position is called a congener. The PCB congener can range from translucent to a pale yellow in color and in viscosity. In general the more yellow and viscous the PCB mixture, the higher the chlorine content will be found.

PCBs are chemically inert, non flammable and electrically non conductive. PCBs have a low water solubility and readily soluble in organic compounds. These characteristics made it useful in the electrical and other industries as an insulator, coolant, and stabilizer in building materials. It is estimated that one hundred fifty PCB congeners were used in commercial applications.

Monsanto Company was the main producer of PCB mixtures and sold under the commercial trade name Aroclor from 1930s to 1970s. Nine mixtures were made and differentiated by a four digit number code. The first two digits represented the carbon atom content and the last two digits represented the chlorine percentage in the mixture. Monsanto created a new PCB mixture in the early 1970s. The new mixture resulted in low chlorinated PCB molecules in organic compounds in routine laboratory analysis. The new mixture was branded Aroclor 1016 to further advertize the safety of the new mixture even though it contained twelve carbon atoms and forty two percent chlorine or more by weight. Monsanto later acknowledged that Aroclor 1016 should be appropriately branded as Aroclor 1242+.

PCB production and use peaked in the 1960's just as the environmental and health effects became more evident in the medical and scientific fields. U.S. Congress began to federally phase out its use commercially in 1973 and a complete ban in 1977 with the passing of the Toxic Substances Control Act (TSCA). PCBs still persist within the environment and in the buildings constructed prior to 1977. It is mainly found in transformers and other electrical equipment.

**Conclusion:**

Based on the laboratory analysis, all sampled materials were within the cited EPA 40 CFR 761 regulation of 50 ppm and can be handled with no special precautions.

If you have any questions concerning this report, please call.

Sincerely,
**YEE CONSULTING GROUP, INC.**

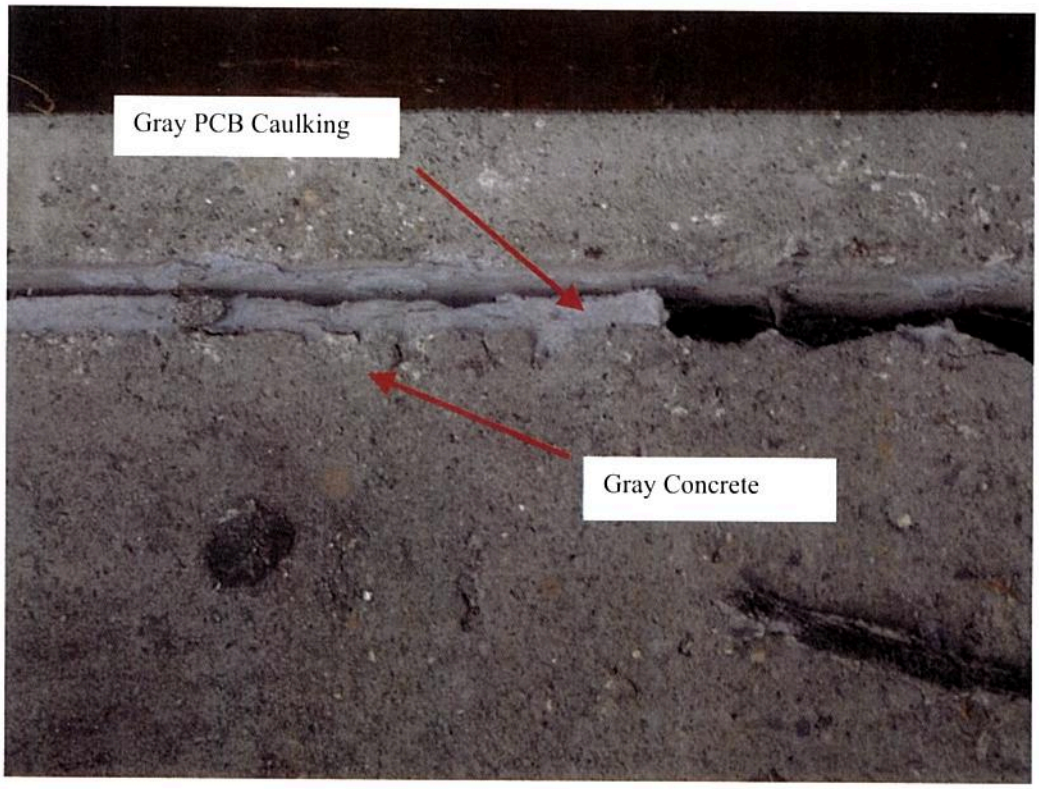
Rockey Chan

Rockey Chan
Environmental Consultant

Enclosures

# TABLE I

Main Entrance: Floor Expansion Joint by Gate



Yee Consulting Group, Inc.

April 6th, 2010

Mr. Mario Traficante
Department of Conservation and Recreation
251 Causeway Street
Boston, MA 02114

RE: **Addendum Building Materials Survey**
Gustave Johnson Memorial Swimming Pool
35 Wanoosnoc Road
Fitchburg, MA

YCGI Project Number: 8922AR

Dear Mr. Traficante:

Yee Consulting Group, Inc. (YCGI) performed additional sampling at the above referenced site. The site visit was conducted on March 18th, 2010. YCGI representative Mr. Rockey Chan (EPA certified, Asbestos Inspector #AI 60923) conducted additional PCB bulk sampling for interior and exterior caulking of the bathhouse and assessed the condition of the confirmed asbestos containing (AC) materials. The materials assessment was not performed due to the snow and weather condition during the first site visit.

The **yellow asbestos caulking** along the perimeter floor of the Main Office and Chemical Room is in poor condition. **Transite Panels** were observed on the lower exterior Main Office Wall behind the plywood Wall. The Transite Roof is in good condition except for the Men's and Women's Locker Room where minor damage was observed due to water leakage.

The following materials contain Hazardous Material:

- Manager's Office: 4 sq. ft. of AC Black Mastic Under Sink
- Bathhouse: 3,500 sq. ft. of AC Transite Roof Panels
- Bathhouse: 50 ln. ft. of AC Floor Expansion Joint Caulking along the exterior perimeter of the Main Office and Chemical Room
- Exterior Main Office Wall: 50 Sq. Ft. of AC Transite Panel
- Exterior Perimeter of Bathhouse: 400 Ln. Ft. of PCB Expansion Joint Floor Caulking

**Analysis**

**378 Page Street, Unit 14-D, Stoughton, Massachusetts 02072-1124**

**TEL: (781) 344-3556 FAX: (781) 344-9525**

**A total of eight (8) samples** were collected from the Bathhouse and concrete pool deck. The collected samples were submitted to Con-Test Analytical Laboratory in East Longmeadow, MA (Massachusetts Analytical Laboratory ID# M-MA100) for analysis. The PCBs analysis was performed according to EPA SW-846 IIIA Method, Soxhlet Extraction Method 846-8082 for solid waste analysis and EPA CFR 40 Part 761.253.

Of the collected samples, **Sample #2A, 2Acon, and 2B, , was found to be above the EPA limit**. The Environmental Protection Agency defined a non porous PCB material as 50 part per million (ppm) by dry weight. Enclosed is a copy of the laboratory results. A diagram and picture of the confirmed PCB materials can be found in Table I of this report.

| Date of Sample | Sample Number | Description | PCB Description | Sample Result in (ppm) |
|---|---|---|---|---|
| 3/18/10 | 1A | Gray Caulking on Expansion Joint Floor: Pool Deck | Aroclor 1248 | 1.2 |
| 3/18/10 | 1Acon | Gray Concrete Adjacent to Gray Caulking: Pool Deck | N/A | None Detected |
| 3/18/10 | 1B | Gray Caulking on Expansion Joint Floor: Wading Pool Deck | Aroclor 1248 | 0.79 |
| 3/18/10 | 1Bcon | Gray Concrete Adjacent to Gray Caulking: Wading Pool Deck | N/A | None Detected |
| **3/18/10** | **2A** | **Thick Gray Caulking on Expansion Joint Floor: Women's Locker Room** | **Aroclor 1248** | **13,000** |
| **3/18/10** | **2Acon** | **Gray Concrete Adjacent to Thick Gray Caulking: Women's Locker Room** | **Aroclor 1248** | **260** |
| **3/18/10** | **2B** | **Thick Gray Caulking on Expansion Joint Floor: Men's Locker Room** | **Aroclor 1248** | **13,000** |
| 3/18/10 | 2Bcon | Gray Concrete Adjacent to Gray Caulking: Men's Locker Room | Aroclor 1248 | 30 |
| EPA Limit in Parts Per Million | | | | 50 ppm |

**Conclusion:**

Based on the laboratory analysis, samples 2A, 2Acon, and 2B were found to be above the cited EPA 40 CFR 761 regulation of 50 ppm.

If you have any questions concerning this report, please call.

Sincerely,
**YEE CONSULTING GROUP, INC.**

Rockey Chan

Rockey Chan
Environmental Consultant

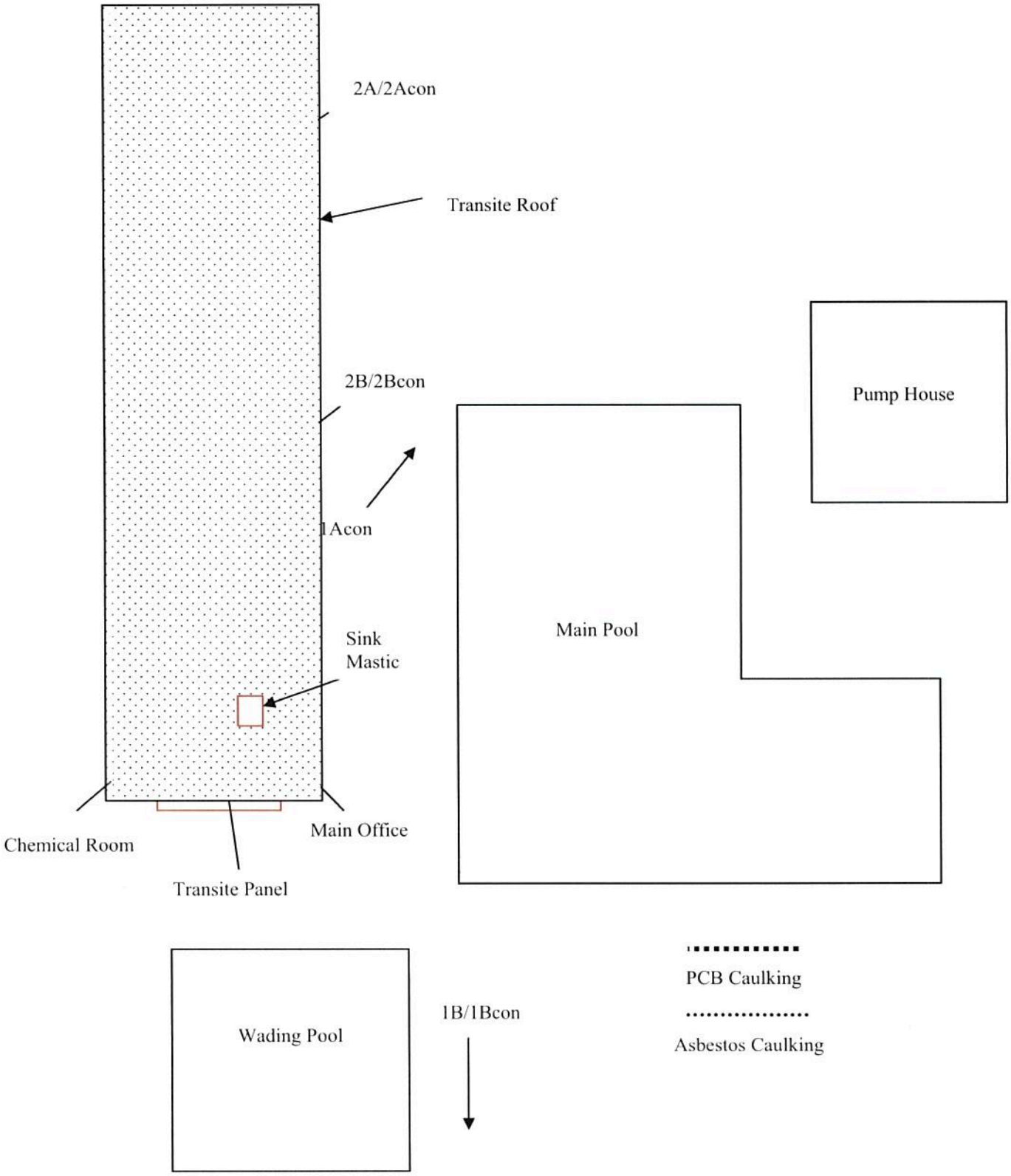
Enclosures

# TABLE I

Men's Bathroom: Expansion Joint

Exterior Main Office Wall

Transite Panel behind existing Plywood Wall


2A/2Acon
Transite Roof
2B/2Bcon
Pump House
1Acon
Main Pool
Sink
Mastic
Chemical Room
Main Office
Transite Panel
Wading Pool
1B/1Bcon
PCB Caulking
Asbestos Caulking

Yee Consulting Group, Inc.

December 16th, 2010

Mr. Mario Traficante
Department of Conservation and Recreation
251 Causeway Street
Boston, MA 02114

RE: **PCB Bulk Sampling Investigation**
Gustave Johnson Memorial Swimming Pool
35 Wanoosnoc Road
Fitchburg, MA

YCGI Project Number: 8922AR

Dear Mr. Traficante:

Yee Consulting Group, Inc. (YCGI) conducted additional PCB sampling at the above referenced site. The additional sampling was to investigate the possible leaching of PCB from the positive expansion joint caulking to concrete deck and fill underneath over time. The site visit was conducted on December 1st, 2010. YCGI representatives Mr. Rockey Chan and Mr. Tim Fletcher of Resource Controls, Inc. performed the sampling.

**Executive Summary**

The Gustave Johnson Memorial Swimming Pool is located in a residential area of Fitchburg. The pool has been open seasonally since its construction in the early 1970's. The pool facilities have underwent multiple renovations during the off seasons. The bathhouse is scheduled for demolition in the spring of 2011 and a new bathhouse will be built in its place. The bathhouse contains confirmed asbestos and PCB building materials that will be impacted by the demolition.

The YCGI and Resource Controls representatives performed a walkthrough of the bathhouse to discuss where the sampling locations will be taken in where the PCB expansion joint caulking was confirmed. It was determined that further sampling of the adjoining concrete deck and the soil underneath the PCB caulking should be sampled for PCB leaching. A hammer drill with a ¾ inch drill bit was used to collect the concrete deck sample and footing. Concrete deck samples were collected at the foundation footing and twelve inches from the bathhouse. A four-inch diameter cement corer to penetrate the concrete deck to access the soil and concrete footing below the surface grade. Soil samples were collected at a depth of zero to six inch and six to twelve inch depth. The concrete foundation footing was sampled at a depth of six inches.

378 Page Street, Unit 14-D, Stoughton, Massachusetts 02072-1124
TEL: (781) 344-3556 FAX: (781) 344-9525

## Analysis

**A total of twenty one (21) samples** were collected from the Bathhouse foundation, the adjacent concrete deck, and soil. The collected samples were submitted to Con-Test Analytical Laboratory in East Longmeadow, MA (Massachusetts Analytical Laboratory ID# M-MA100) for analysis. The PCBs analysis was performed according to EPA SW-846 IIIA Method, Soxhlet Extraction Method 846-8082 for solid waste analysis and EPA CFR 40 Part 761.253.

Of the collected samples, no samples were found to be above the EPA limit. The Environmental Protection Agency defined a non porous PCB material as 50 part per million (ppm) by dry weight. Enclosed is a copy of the laboratory results. A diagram and picture of the confirmed PCB materials can be found in Table I of this report.

| Date of Sample | Sample Number | Description | PCB Description | Sample Result in (ppm) |
|---|---|---|---|---|
| 12/01/10 | C1 | Concrete Deck | Aroclor 1248 | 5.4 |
| 12/01/10 | C1+12 | Concrete Deck | Aroclor 1248 | 0.43 |
| 12/01/10 | C1 Soil 0-6 | Soil | Aroclor 1248 | None Detected |
| 12/01/10 | C1 Soil 6-12 | Soil | Aroclor 1248 | None Detected |
| 12/01/10 | C2 | Concrete Deck | Aroclor 1248 | 0.34 |
| 12/01/10 | C2+12 | Concrete Deck | Aroclor 1248 | 0.14 |
| 12/01/10 | C3 | Concrete Deck | Aroclor 1248 | 0.53 |
| 12/01/10 | C3+12 | Concrete Deck | Aroclor 1248 | 0.10 |
| 12/01/10 | C3 Soil 0-6 | Soil | Aroclor 1248 | 9.0 |
| 12/01/10 | C3 Soil 6-12 | Soil | Aroclor 1248 | 1.7 |
| 12/01/10 | C4 | Concrete Deck | Aroclor 1248 | 1.2 |
| 12/01/10 | C4+12 | Concrete Deck | Aroclor 1248 | 0.66 |
| 12/01/10 | C5 | Concrete Deck | Aroclor 1248 | None Detected |
| 12/01/10 | C5+12 | Concrete Deck | Aroclor 1248 | None Detected |
| 12/01/10 | C5 Soil 0-6 | Soil | Aroclor 1248 | None Detected |

| Date of Sample | Sample Number | Description | PCB Description | Sample Result in (ppm) |
|---|---|---|---|---|
| 12/01/10 | C5 Soil 6-12 | Soil | Aroclor 1248 | None Detected |
| 12/01/10 | C6 | Concrete Deck | Aroclor 1248 | 0.61 |
| 12/01/10 | C6+12 | Concrete Deck | Aroclor 1248 | 0.37 |
| 12/01/10 | C1 Footing at 6" | Concrete Footing | Aroclor 1248 | 3.0 |
| 12/01/10 | C3 Footing at 6" | Concrete Footing | Aroclor 1248 | 13 |
| 12/01/10 | C5 Footing at 6" | Concrete Footing | Aroclor 1248 | None Detected |
| EPA Limit in Parts Per Million | | | | 50 ppm |

**Discussion:**

Polychlorinated biphenyls (PCB) are an organic class of biphenyls with one to ten chlorine atoms positioned at various points on the benzene rings. There are two hundred and nine possible positions for the chlorine atoms; each possible position is called a congener. The PCB congener can range from translucent to a pale yellow in color and in viscosity. In general the more yellow and viscous the PCB mixture, the higher the chlorine content will be found.

PCBs are chemically inert, non flammable and electrically non conductive. PCBs have a low water solubility and readily soluble in organic compounds. These characteristics made it useful in the electrical and other industries as an insulator, coolant, and stabilizer in building materials. It is estimated that one hundred fifty PCB congeners were used in commercial applications.

Monsanto Company was the main producer of PCB mixtures and sold under the commercial trade name Aroclor from 1930s to 1970s. Nine mixtures were made and differentiated by a four digit number code. The first two digits represented the carbon atom content and the last two digits represented the chlorine percentage in the mixture. Monsanto created a new PCB mixture in the early 1970s. The new mixture resulted in low chlorinated PCB molecules in organic compounds in routine laboratory analysis.

The new mixture was branded Aroclor 1016 to further advertize the safety of the new mixture even though it contained twelve carbon atoms and forty two percent chlorine or more by weight. Monsanto later acknowledged that Aroclor 1016 should be appropriately branded as Aroclor 1242+.

PCB production and use peaked in the 1960's just as the environmental and health effects became more evident in the medical and scientific fields. U.S. Congress began to federally phase out its use commercially in 1973 and a complete ban in 1977 with the passing of the Toxic Substances Control Act (TSCA). PCBs still persist within the environment and in the buildings constructed prior to 1977. It is mainly found in transformers and other electrical equipment.

**Conclusion:**

Based on the laboratory analysis, no samples were found to be above the cited EPA 40 CFR 761 regulation of 50 ppm. The concrete footing samples contained concrete and a small mixture of soil due to accessing the necessary depth of the sample.

If you have any questions concerning this report, please call.

Sincerely,
**YEE CONSULTING GROUP, INC.**

Rockey Chan

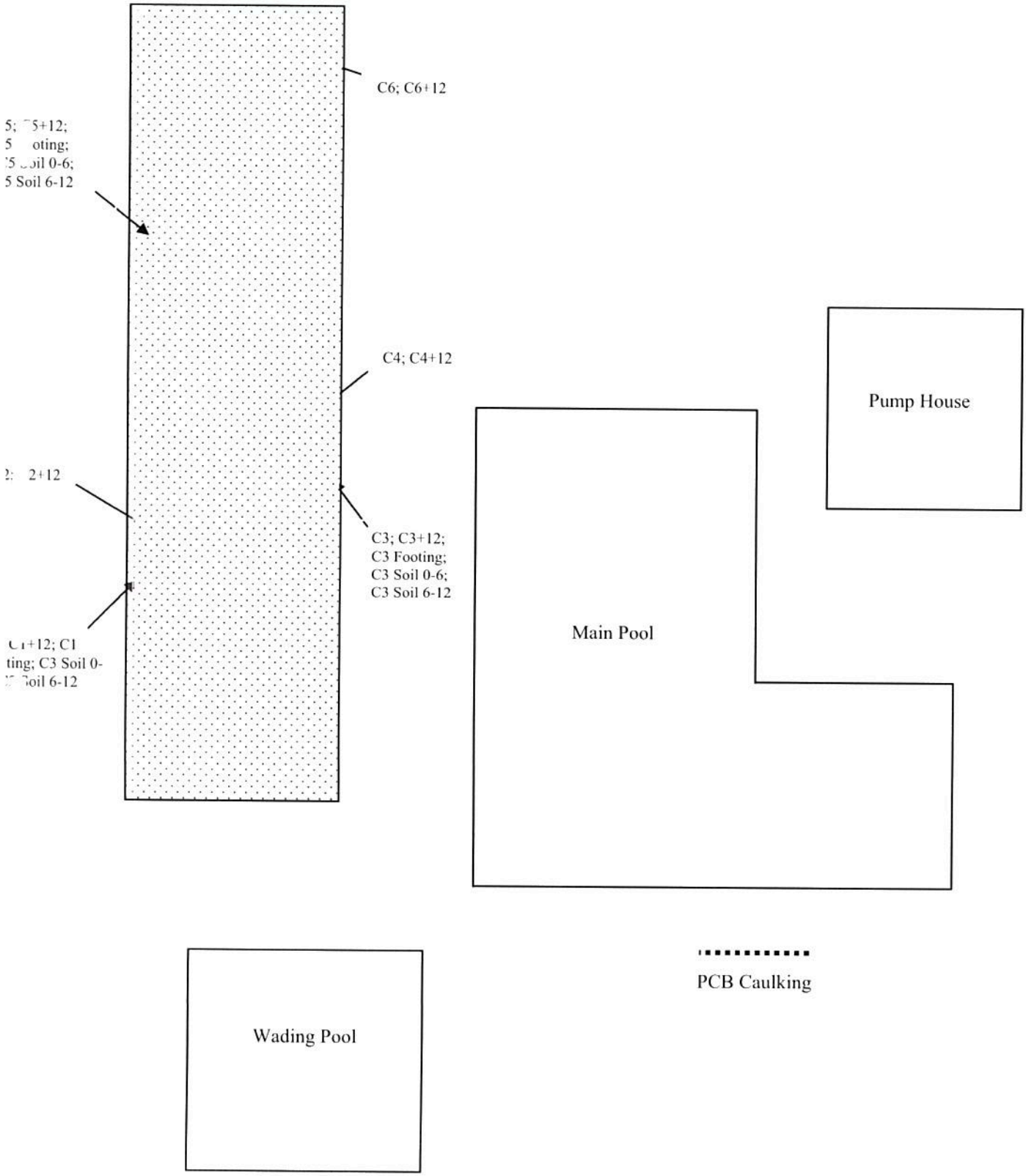
Rockey Chan
Environmental Consultant

Enclosures

Yee Consulting Group, Inc.
378 Page Street
Stoughton, MA 02072-1124



# TABLE I



Yee Consulting Group, Inc.

March 18th, 2011

Mr. Robert Lowell
Department of Conservation and Recreation
251 Causeway Street
Boston, MA 02114

RE: **PCB Bulk Sampling Investigation**
Gustave Johnson Memorial Swimming Pool
35 Wanoosnoc Road
Fitchburg, MA

YCGI Project Number: 8922AR

Dear Mr. Lowell:

Yee Consulting Group, Inc. (YCGI) conducted additional PCB sampling at the above referenced site. The additional sampling was to investigate the extent of leaching of PCB from the positive expansion joint caulking to concrete deck, footing and fill underneath over time. The previous survey results from December 1st, 2010 showed levels of PCB from 1 to 13 parts per million (ppm) at a few locations. The Department of Conservation and Recreation (DCR) would like to remediate the site under an EPA performance based plan. The site visit was conducted on March 9th, 2011. YCGI representatives Mr. Rockey Chan and Mr. Tim Fletcher of Resource Controls, Inc. performed the sampling.

**Executive Summary**

The Gustave Johnson Memorial Swimming Pool is located in a residential area of Fitchburg. The pool has been open seasonally since its construction in the early 1970's. The pool facilities have underwent multiple renovations during the off seasons. The bathhouse is scheduled for demolition in the spring of 2011 and a new bathhouse will be built in its place. The bathhouse contains confirmed asbestos and PCB building materials that will be impacted by the demolition.

The YCGI and Resource Controls representatives performed a walkthrough with Robert Lowell of DCR to discuss where the sampling locations will be taken. It was determined that further sampling of the adjoining concrete deck and the soil underneath the PCB caulking should be sampled for PCB leaching. The soil samples were collected using a 3 inch pole auger that could remove the soil at 6 inch increments. A twelve-inch diameter cement circular saw was used to penetrate the concrete deck to access the soil and concrete footing below the surface grade.

**378 Page Street, Unit 14-D, Stoughton, Massachusetts 02072-1124**

**TEL: (781) 344-3556 FAX: (781) 344-9525**

A hammer drill with a ¾ inch drill bit was used to collect the powdered concrete deck sample and footing. Concrete deck samples were collected at the foundation footing and twelve inches from the bathhouse. Soil samples were collected at a depth of zero to six inch and six to twelve inch depth. The concrete foundation footing was sampled at a depth of six and twelve inches. The hammer drill was decontaminated with hexane after each sample was collected.

## Analysis

**A total of sixteen (16) samples** were collected from the Bathhouse foundation, the adjacent concrete deck, and soil. The collected samples were submitted to Con-Test Analytical Laboratory in East Longmeadow, MA (Massachusetts Analytical Laboratory ID# M-MA100) for analysis. The PCBs analysis was performed according to EPA SW-846 IIIA Method, Soxhlet Extraction Method 846-8082 for solid waste analysis and EPA CFR 40 Part 761.253.

**Of the collected samples, sample number C2 F12 and C3 F12 were found to be above the EPA limit for the performance based remediation plan of PCB contaminated materials.** The Environmental Protection Agency defined a non porous PCB material as 1 part per million (ppm) by dry weight. Enclosed is a copy of the laboratory results. **A diagram and picture of the confirmed PCB materials can be found in Table I of this report.**

| Date of Sample | Sample Number | Description | PCB Description | Sample Result in (ppm) |
|---|---|---|---|---|
| 3/09/11 | C2 F6 | Concrete Footing | Aroclor 1248 | 0.22 |
| **3/09/11** | **C2 F12** | **Concrete Footing** | **Aroclor 1248** | **1.30** |
| **3/09/11** | **C3 F12** | **Concrete Footing** | **Aroclor 1248** | **2.30** |
| 3/09/11 | C4 F6 | Concrete Footing | Aroclor 1248 | 0.57 |
| 3/09/11 | C4 F12 | Concrete Footing | Aroclor 1248 | 0.18 |
| 3/09/11 | C6 F6 | Concrete Footing | Aroclor 1248 | 0.42 |
| 3/09/11 | C6 F12 | Concrete Footing | Aroclor 1248 | 0.24 |
| 3/09/11 | C7 | Concrete Deck | Aroclor 1248 | 0.22 |
| 3/09/11 | C7+12 | Concrete Deck | Aroclor 1248 | 0.13 |
| 3/09/11 | C7 Soil 0"-6" | Soil under Deck | Aroclor 1248 | ND |
| 3/09/11 | C7 Soil 6"-12" | Soil under Deck | Aroclor 1248 | ND |

| Date of Sample | Sample Number | Description | PCB Description | Sample Result in (ppm) |
|---|---|---|---|---|
| 3/09/11 | C7 F6 | Concrete Footing | Aroclor 1248 | 0.60 |
| 3/09/11 | C7 F12 | Concrete Footing | Aroclor 1248 | ND |
| 3/09/11 | C1+12 Soil 0"-6" | Soil under Deck | Aroclor 1248 | ND |
| 3/09/11 | C3+12 Soil 0"-6" | Soil under Deck | Aroclor 1248 | ND |
| 3/09/11 | C5+12 Soil 0"-6" | Soil under Deck | Aroclor 1248 | ND |
| EPA Limit in Parts Per Million | | | | 1 ppm |

**Discussion:**

Polychlorinated biphenyls (PCB) are an organic class of biphenyls with one to ten chlorine atoms positioned at various points on the benzene rings. There are two hundred and nine possible positions for the chlorine atoms; each possible position is called a congener. Monsanto Company was the main producer of PCB mixtures and sold under the commercial trade name Aroclor from 1930s to 1970s. Nine mixtures were made and differentiated by a four digit number code. The first two digits represented the carbon atom content and the last two digits represented the chlorine percentage in the mixture. The PCB congener can range from translucent to a pale yellow in color and in viscosity. In general the more yellow and viscous the PCB mixture, the higher the chlorine content will be found.

PCBs are chemically inert, non flammable and electrically non conductive. PCBs have a low water solubility and readily soluble in organic compounds. These characteristics made it useful in the electrical and other industries as an insulator, coolant, and stabilizer in building materials. It is estimated that one hundred fifty PCB congeners were used in commercial applications.

PCB production and use peaked in the 1960's just as the environmental and health effects became more evident in the medical and scientific fields. U.S. Congress enacted regulations to begin the phase out its commercial use in 1973 and a complete ban in 1977 with the passing of the Toxic Substances Control Act (TSCA). PCBs persist within the environment and in the buildings constructed prior to 1977.

**Conclusion:**

Based on the laboratory analysis, two samples were found to be above the cited EPA 40 CFR 761 regulation of 1 ppm.

If you have any questions concerning this report, please call.

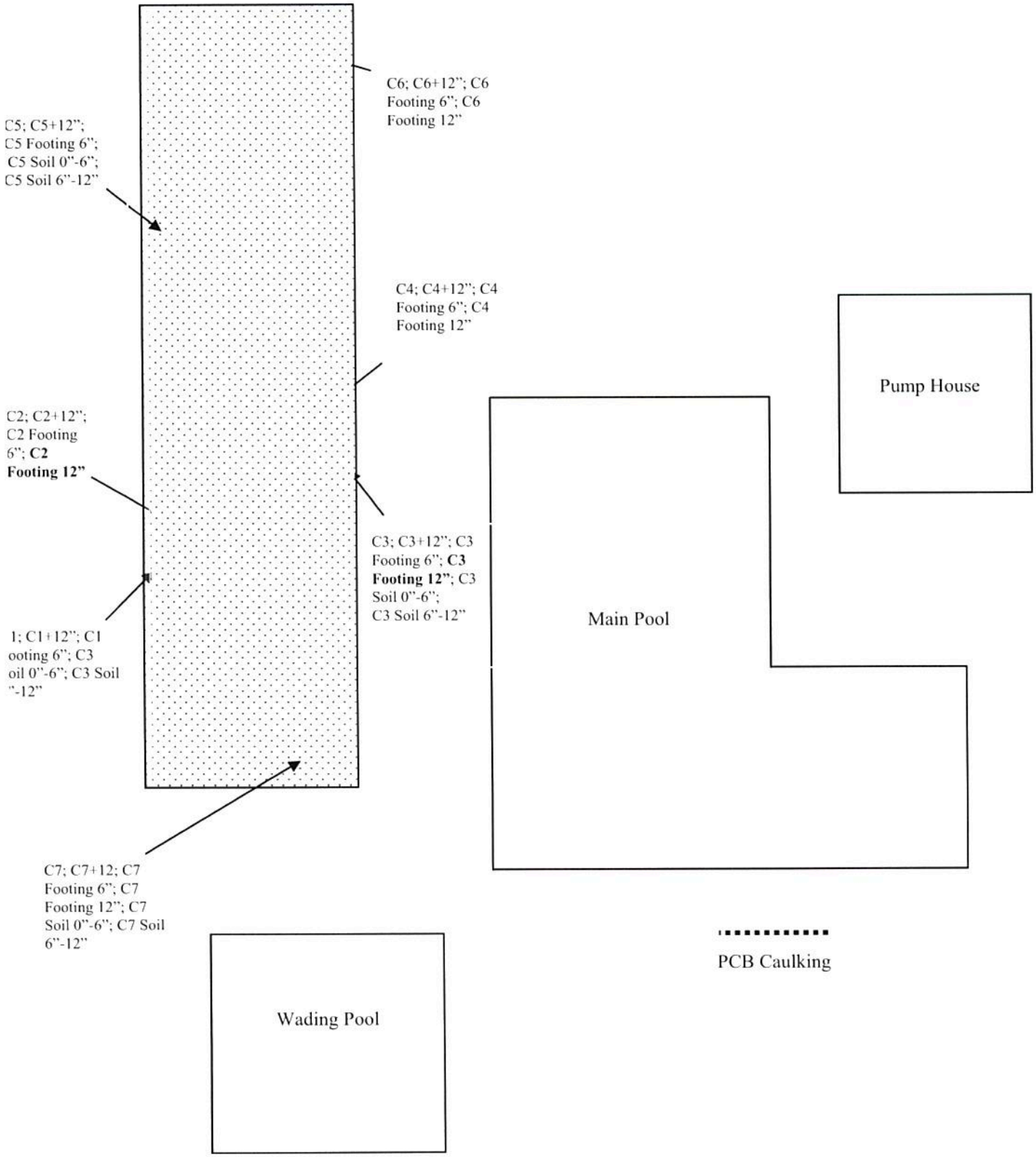
Sincerely,
**YEE CONSULTING GROUP, INC.**

Rockey Chan

Rockey Chan
Environmental Consultant

Enclosures

# TABLE I


C6; C6+12"; C6 Footing 6"; C6 Footing 12"
C5; C5+12"; C5 Footing 6"; C5 Soil 0"-6"; C5 Soil 6"-12"
C4; C4+12"; C4 Footing 6"; C4 Footing 12"
Pump House
C2; C2+12"; C2 Footing 6"; **C2 Footing 12"**
C3; C3+12"; C3 Footing 6"; **C3 Footing 12"**; C3 Soil 0"-6"; C3 Soil 6"-12"
Main Pool
1; C1+12"; C1 ooting 6"; C3 oil 0"-6"; C3 Soil "-12"
C7; C7+12; C7 Footing 6"; C7 Footing 12"; C7 Soil 0"-6"; C7 Soil 6"-12"
PCB Caulking
Wading Pool

# APPENDIX B

## Laboratory Analytical Reports

con-test®
ANALYTICAL LABORATORY

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

April 2, 2010

Rocky Chan
Yee Consulting Group, Inc.
378 Page Street, Unit 14D
Stoughton, MA 02072

Project Location: Gustave Memorial Pool, Fitchburg
Client Job Number:
Project Number: DCR8922
Laboratory Work Order Number: 10C0687

Enclosed are results of analyses for samples received by the laboratory on March 26, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Christopher J. Hall
Project Manager

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

REPORT DATE: 4/2/2010

Yee Consulting Group, Inc.
378 Page Street, Unit 14D
Stoughton, MA 02072
ATTN: Rocky Chan

PURCHASE ORDER NUMBER: 8922

PROJECT NUMBER: DCR8922

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 10C0687

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

PROJECT LOCATION: Gustave Memorial Pool, Fitchburg

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|---|---|---|---|---|---|
| 1A | 10C0687-01 | Caulk | Gray Caulking Expansion Joint Pool Deck | SW-846 8082 | |
| 1A Con | 10C0687-02 | Concrete | Cement @ Expansion Joint on Pool Deck | SW-846 8082 | |
| 1B | 10C0687-03 | Caulk | Gray Caulking Expansion Joint @ Wading Pool | SW-846 8082 | |
| 1B Con | 10C0687-04 | Concrete | Cement @ Expansion Joint @ Wading Pool | SW-846 8082 | |
| 2A | 10C0687-05 | Caulk | Thick Gray Caulking Woman's Room Expansion Joint | SW-846 8082 | |
| 2A Con | 10C0687-06 | Concrete | Concrete @ Woman's Room Expansion Joint | SW-846 8082 | |
| 2B | 10C0687-07 | Caulk | Thick Grey Caulking Men's Room Expansion Joint | SW-846 8082 | |
| 2B Con | 10C0687-08 | Concrete | Concrete @ Men's Room Expansion Joint | SW-846 8082 | |

con-test®
ANALYTICAL LABORATORY

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

**CASE NARRATIVE SUMMARY**

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

**SW-846 8082**

**Qualifications:**

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

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

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

10C0687-05[2A], 10C0687-06[2A Con], 10C0687-07[2B], 10C0687-08[2B Con]

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

Christopher J. Hall
Project Chemist Supervisor

con-test® ANALYTICAL LABORATORY

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

Project Location: Gustave Memorial Pool, Sample Description: Gray Caulking Expansion Joint Pool D Work Order: 10C0687

Date Received: 3/26/2010

**Field Sample #: 1A** Sampled: 3/18/2010 00:00

**Sample ID: 10C0687-01**

Sample Matrix: Caulk

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.20 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 14:51 | JMB |
| Aroclor-1221 [1] | ND | 0.20 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 14:51 | JMB |
| Aroclor-1232 [1] | ND | 0.20 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 14:51 | JMB |
| Aroclor-1242 [1] | ND | 0.20 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 14:51 | JMB |
| Aroclor-1248 [1] | 1.2 | 0.20 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 14:51 | JMB |
| Aroclor-1254 [1] | ND | 0.20 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 14:51 | JMB |
| Aroclor-1260 [1] | ND | 0.20 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 14:51 | JMB |
| Aroclor-1262 [1] | ND | 0.20 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 14:51 | JMB |
| Aroclor-1268 [1] | ND | 0.20 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 14:51 | JMB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 77.9 | 30-150 | | 3/31/10 14:51 |
| Decachlorobiphenyl [2] | 84.0 | 30-150 | | 3/31/10 14:51 |
| Tetrachloro-m-xylene [1] | 79.7 | 30-150 | | 3/31/10 14:51 |
| Tetrachloro-m-xylene [2] | 86.2 | 30-150 | | 3/31/10 14:51 |

con-test® ANALYTICAL LABORATORY

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

oject Location: Gustave Memorial Pool, Sample Description: Cement @ Expansion Joint on Pool De Work Order: 10C0687

Date Received: 3/26/2010

**Field Sample #: 1A Con** Sampled: 3/18/2010 00:00

**ımple ID: 10C0687-02**

..ample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:41 | JMB |
| roclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:41 | JMB |
| roclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:41 | JMB |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:41 | JMB |
| roclor-1248 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:41 | JMB |
| roclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:41 | JMB |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:41 | JMB |
| roclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:41 | JMB |
| roclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:41 | JMB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| ecachlorobiphenyl [1] | 87.3 | 30-150 | | 3/31/10 11:41 |
| ecachlorobiphenyl [2] | 90.8 | 30-150 | | 3/31/10 11:41 |
| Tetrachloro-m-xylene [1] | 86.4 | 30-150 | | 3/31/10 11:41 |
| Tetrachloro-m-xylene [2] | 90.8 | 30-150 | | 3/31/10 11:41 |

con-test® ANALYTICAL LABORATORY

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

Project Location: Gustave Memorial Pool, Sample Description: Gray Caulking Expansion Joint @ Wa Work Order: 10C0687

Date Received: 3/26/2010

**Field Sample #: 1B** Sampled: 3/18/2010 00:00

**Sample ID: 10C0687-03**

Sample Matrix: Caulk

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.19 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 15:05 | JMB |
| Aroclor-1221 [1] | ND | 0.19 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 15:05 | JMB |
| Aroclor-1232 [1] | ND | 0.19 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 15:05 | JMB |
| Aroclor-1242 [1] | ND | 0.19 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 15:05 | JMB |
| Aroclor-1248 [2] | 0.79 | 0.19 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 15:05 | JMB |
| Aroclor-1254 [1] | ND | 0.19 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 15:05 | JMB |
| Aroclor-1260 [1] | ND | 0.19 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 15:05 | JMB |
| Aroclor-1262 [1] | ND | 0.19 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 15:05 | JMB |
| Aroclor-1268 [1] | ND | 0.19 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 15:05 | JMB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 76.8 | 30-150 | | 3/31/10 15:05 |
| Decachlorobiphenyl [2] | 82.0 | 30-150 | | 3/31/10 15:05 |
| Tetrachloro-m-xylene [1] | 79.9 | 30-150 | | 3/31/10 15:05 |
| Tetrachloro-m-xylene [2] | 81.2 | 30-150 | | 3/31/10 15:05 |

con-test® ANALYTICAL LABORATORY

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

Project Location: Gustave Memorial Pool, Sample Description: Cement @ Expansion Joint @ Wading Work Order: 10C0687

Date Received: 3/26/2010

**Field Sample #: 1B Con** Sampled: 3/18/2010 00:00

**Sample ID: 10C0687-04**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:56 | JMB |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:56 | JMB |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:56 | JMB |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:56 | JMB |
| Aroclor-1248 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:56 | JMB |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:56 | JMB |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:56 | JMB |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:56 | JMB |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/30/10 | 3/31/10 11:56 | JMB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 83.7 | 30-150 | | 3/31/10 11:56 |
| Decachlorobiphenyl [2] | 90.8 | 30-150 | | 3/31/10 11:56 |
| Tetrachloro-m-xylene [1] | 81.0 | 30-150 | | 3/31/10 11:56 |
| Tetrachloro-m-xylene [2] | 85.6 | 30-150 | | 3/31/10 11:56 |

con-test® ANALYTICAL LABORATORY

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

Project Location: Gustave Memorial Pool, Sample Description: Thick Gray Caulking Woman's Room Work Order: 10C0687

Date Received: 3/26/2010

**Field Sample #: 2A** Sampled: 3/18/2010 00:00

**Sample ID: 10C0687-05**

Sample Matrix: Caulk

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 780 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:17 | JMB |
| Aroclor-1221 [1] | ND | 780 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:17 | JMB |
| Aroclor-1232 [1] | ND | 780 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:17 | JMB |
| Aroclor-1242 [1] | ND | 780 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:17 | JMB |
| Aroclor-1248 [1] | 13000 | 780 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:17 | JMB |
| Aroclor-1254 [1] | ND | 780 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:17 | JMB |
| Aroclor-1260 [1] | ND | 780 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:17 | JMB |
| Aroclor-1262 [1] | ND | 780 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:17 | JMB |
| Aroclor-1268 [1] | ND | 780 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:17 | JMB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| **Decachlorobiphenyl [1]** | * | 30-150 | S-01 | 3/31/10 16:17 |
| **Decachlorobiphenyl [2]** | * | 30-150 | S-01 | 3/31/10 16:17 |
| **Tetrachloro-m-xylene [1]** | * | 30-150 | S-01 | 3/31/10 16:17 |
| **Tetrachloro-m-xylene [2]** | * | 30-150 | S-01 | 3/31/10 16:17 |

con-test® ANALYTICAL LABORATORY

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

Project Location: Gustave Memorial Pool,
Sample Description: Concrete @ Woman's Room Expansio
Work Order: 10C0687

Date Received: 3/26/2010

**Field Sample #: 2A Con**
Sampled: 3/18/2010 00:00

**Sample ID: 10C0687-06**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 50 | mg/Kg | 500 | | SW-846 8082 | 3/30/10 | 3/31/10 13:23 | JMB |
| Aroclor-1221 [1] | ND | 50 | mg/Kg | 500 | | SW-846 8082 | 3/30/10 | 3/31/10 13:23 | JMB |
| Aroclor-1232 [1] | ND | 50 | mg/Kg | 500 | | SW-846 8082 | 3/30/10 | 3/31/10 13:23 | JMB |
| Aroclor-1242 [1] | ND | 50 | mg/Kg | 500 | | SW-846 8082 | 3/30/10 | 3/31/10 13:23 | JMB |
| Aroclor-1248 [1] | 260 | 50 | mg/Kg | 500 | | SW-846 8082 | 3/30/10 | 3/31/10 13:23 | JMB |
| Aroclor-1254 [1] | ND | 50 | mg/Kg | 500 | | SW-846 8082 | 3/30/10 | 3/31/10 13:23 | JMB |
| Aroclor-1260 [1] | ND | 50 | mg/Kg | 500 | | SW-846 8082 | 3/30/10 | 3/31/10 13:23 | JMB |
| Aroclor-1262 [1] | ND | 50 | mg/Kg | 500 | | SW-846 8082 | 3/30/10 | 3/31/10 13:23 | JMB |
| Aroclor-1268 [1] | ND | 50 | mg/Kg | 500 | | SW-846 8082 | 3/30/10 | 3/31/10 13:23 | JMB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| **Decachlorobiphenyl [1]** | * | 30-150 | S-01 | 3/31/10 13:23 |
| **Decachlorobiphenyl [2]** | * | 30-150 | S-01 | 3/31/10 13:23 |
| **Tetrachloro-m-xylene [1]** | * | 30-150 | S-01 | 3/31/10 13:23 |
| **Tetrachloro-m-xylene [2]** | * | 30-150 | S-01 | 3/31/10 13:23 |

con-test® ANALYTICAL LABORATORY

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

Project Location: Gustave Memorial Pool, Sample Description: Thick Grey Caulking Men's Room Exp Work Order: 10C0687

Date Received: 3/26/2010

**Field Sample #: 2B** Sampled: 3/18/2010 00:00

**Sample ID: 10C0687-07**

Sample Matrix: Caulk

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 740 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:32 | JMB |
| Aroclor-1221 [1] | ND | 740 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:32 | JMB |
| Aroclor-1232 [1] | ND | 740 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:32 | JMB |
| Aroclor-1242 [1] | ND | 740 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:32 | JMB |
| Aroclor-1248 [1] | 13000 | 740 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:32 | JMB |
| Aroclor-1254 [1] | ND | 740 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:32 | JMB |
| Aroclor-1260 [1] | ND | 740 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:32 | JMB |
| Aroclor-1262 [1] | ND | 740 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:32 | JMB |
| Aroclor-1268 [1] | ND | 740 | mg/Kg | 4000 | | SW-846 8082 | 3/30/10 | 3/31/10 16:32 | JMB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| **Decachlorobiphenyl [1]** | * | 30-150 | S-01 | 3/31/10 16:32 |
| **Decachlorobiphenyl [2]** | * | 30-150 | S-01 | 3/31/10 16:32 |
| **Tetrachloro-m-xylene [1]** | * | 30-150 | S-01 | 3/31/10 16:32 |
| **Tetrachloro-m-xylene [2]** | * | 30-150 | S-01 | 3/31/10 16:32 |

con-test® ANALYTICAL LABORATORY

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

Project Location: Gustave Memorial Pool,

Sample Description: Concrete @ Men's Room Expansion Jc

Work Order: 10C0687

Date Received: 3/26/2010

**Field Sample #: 2B Con**

Sampled: 3/18/2010 00:00

**Sample ID: 10C0687-08**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 4.8 | mg/Kg | 50 | | SW-846 8082 | 3/30/10 | 3/31/10 13:38 | JMB |
| Aroclor-1221 [1] | ND | 4.8 | mg/Kg | 50 | | SW-846 8082 | 3/30/10 | 3/31/10 13:38 | JMB |
| Aroclor-1232 [1] | ND | 4.8 | mg/Kg | 50 | | SW-846 8082 | 3/30/10 | 3/31/10 13:38 | JMB |
| Aroclor-1242 [1] | ND | 4.8 | mg/Kg | 50 | | SW-846 8082 | 3/30/10 | 3/31/10 13:38 | JMB |
| Aroclor-1248 [1] | 30 | 4.8 | mg/Kg | 50 | | SW-846 8082 | 3/30/10 | 3/31/10 13:38 | JMB |
| Aroclor-1254 [1] | ND | 4.8 | mg/Kg | 50 | | SW-846 8082 | 3/30/10 | 3/31/10 13:38 | JMB |
| Aroclor-1260 [1] | ND | 4.8 | mg/Kg | 50 | | SW-846 8082 | 3/30/10 | 3/31/10 13:38 | JMB |
| Aroclor-1262 [1] | ND | 4.8 | mg/Kg | 50 | | SW-846 8082 | 3/30/10 | 3/31/10 13:38 | JMB |
| Aroclor-1268 [1] | ND | 4.8 | mg/Kg | 50 | | SW-846 8082 | 3/30/10 | 3/31/10 13:38 | JMB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 92.2 | 30-150 | S-01 | 3/31/10 13:38 |
| Decachlorobiphenyl [2] | 92.2 | 30-150 | S-01 | 3/31/10 13:38 |
| Tetrachloro-m-xylene [1] | 79.1 | 30-150 | S-01 | 3/31/10 13:38 |
| Tetrachloro-m-xylene [2] | 86.3 | 30-150 | S-01 | 3/31/10 13:38 |

con-test® ANALYTICAL LABORATORY

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

## Sample Extraction Data

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

| Lab Number [Field ID] | Batch | Initial [g] | Final [mL] | Date |
|---|---|---|---|---|
| 10C0687-01 [1A] | B012002 | 0.5095 | 10 | 03/30/10 |
| 10C0687-03 [1B] | B012002 | 0.5283 | 10 | 03/30/10 |
| 10C0687-05 [2A] | B012002 | 0.5109 | 10 | 03/30/10 |
| 10C0687-07 [2B] | B012002 | 0.5397 | 10 | 03/30/10 |

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

| Lab Number [Field ID] | Batch | Initial [g] | Final [mL] | Date |
|---|---|---|---|---|
| 10C0687-02 [1A Con] | B012000 | 2 | 10 | 03/30/10 |
| 10C0687-04 [1B Con] | B012000 | 2 | 10 | 03/30/10 |
| 10C0687-06 [2A Con] | B012000 | 2 | 10 | 03/30/10 |
| 10C0687-08 [2B Con] | B012000 | 2.1 | 10 | 03/30/10 |

con-test® ANALYTICAL LABORATORY

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

## QUALITY CONTROL

### Polychlorinated Biphenyls By GC/ECD - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B012000 - SW-846 3540C** | | | | | | | | | | |
| **Blank (B012000-BLK1)** | | | | Prepared: 03/30/10 Analyzed: 03/31/10 | | | | | | |
| Aroclor-1016 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1016 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1221 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1221 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1232 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1232 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1242 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1242 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1248 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1248 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1254 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1254 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1260 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1260 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1262 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1262 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1268 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1268 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Surrogate: Decachlorobiphenyl | *0.829* | | mg/Kg | 1.00 | | 82.9 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.832* | | mg/Kg | 1.00 | | 83.2 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.793* | | mg/Kg | 1.00 | | 79.3 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.863* | | mg/Kg | 1.00 | | 86.3 | 30-150 | | | |
| **LCS (B012000-BS1)** | | | | Prepared: 03/30/10 Analyzed: 03/31/10 | | | | | | |
| Aroclor-1016 | 1.1 | 0.10 | mg/Kg | 1.00 | | 108 | 40-140 | | | |
| Aroclor-1016 [2C] | 1.1 | 0.10 | mg/Kg | 1.00 | | 113 | 40-140 | | | |
| Aroclor-1260 | 0.82 | 0.10 | mg/Kg | 1.00 | | 81.6 | 40-140 | | | |
| Aroclor-1260 [2C] | 0.81 | 0.10 | mg/Kg | 1.00 | | 81.5 | 40-140 | | | |
| Surrogate: Decachlorobiphenyl | *0.827* | | mg/Kg | 1.00 | | 82.7 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.832* | | mg/Kg | 1.00 | | 83.2 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.776* | | mg/Kg | 1.00 | | 77.6 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.814* | | mg/Kg | 1.00 | | 81.4 | 30-150 | | | |
| **LCS Dup (B012000-BSD1)** | | | | Prepared: 03/30/10 Analyzed: 03/31/10 | | | | | | |
| Aroclor-1016 | 0.95 | 0.10 | mg/Kg | 1.00 | | 94.9 | 40-140 | 12.9 | 30 | |
| Aroclor-1016 [2C] | 0.97 | 0.10 | mg/Kg | 1.00 | | 97.2 | 40-140 | 14.7 | 30 | |
| Aroclor-1260 | 0.83 | 0.10 | mg/Kg | 1.00 | | 83.5 | 40-140 | 2.27 | 30 | |
| Aroclor-1260 [2C] | 0.83 | 0.10 | mg/Kg | 1.00 | | 83.1 | 40-140 | 1.96 | 30 | |
| Surrogate: Decachlorobiphenyl | *0.874* | | mg/Kg | 1.00 | | 87.4 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.880* | | mg/Kg | 1.00 | | 88.0 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.837* | | mg/Kg | 1.00 | | 83.7 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.883* | | mg/Kg | 1.00 | | 88.3 | 30-150 | | | |

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## QUALITY CONTROL

### Polychlorinated Biphenyls By GC/ECD - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B012002 - SW-846 3540C** | | | | | | | | | | |
| **Blank (B012002-BLK1)** | | | | Prepared: 03/30/10 Analyzed: 03/31/10 | | | | | | |
| Aroclor-1016 | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1016 [2C] | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1221 | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1221 [2C] | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1232 | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1232 [2C] | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1242 | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1242 [2C] | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1248 | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1248 [2C] | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1254 | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1254 [2C] | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1260 | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1260 [2C] | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1262 | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1262 [2C] | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1268 | ND | 0.20 | mg/Kg | | | | | | | |
| Aroclor-1268 [2C] | ND | 0.20 | mg/Kg | | | | | | | |
| Surrogate: Decachlorobiphenyl | *3.26* | | mg/Kg | 4.00 | | 81.5 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *3.27* | | mg/Kg | 4.00 | | 81.8 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *3.26* | | mg/Kg | 4.00 | | 81.6 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *3.42* | | mg/Kg | 4.00 | | 85.4 | 30-150 | | | |
| **LCS (B012002-BS1)** | | | | Prepared: 03/30/10 Analyzed: 03/31/10 | | | | | | |
| Aroclor-1016 | 3.5 | 0.20 | mg/Kg | 4.00 | | 88.7 | 40-140 | | | |
| Aroclor-1016 [2C] | 3.7 | 0.20 | mg/Kg | 4.00 | | 92.6 | 40-140 | | | |
| Aroclor-1260 | 3.1 | 0.20 | mg/Kg | 4.00 | | 77.9 | 40-140 | | | |
| Aroclor-1260 [2C] | 3.1 | 0.20 | mg/Kg | 4.00 | | 77.5 | 40-140 | | | |
| Surrogate: Decachlorobiphenyl | *3.25* | | mg/Kg | 4.00 | | 81.2 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *3.29* | | mg/Kg | 4.00 | | 82.2 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *3.10* | | mg/Kg | 4.00 | | 77.6 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *3.28* | | mg/Kg | 4.00 | | 81.9 | 30-150 | | | |
| **LCS Dup (B012002-BSD1)** | | | | Prepared: 03/30/10 Analyzed: 03/31/10 | | | | | | |
| Aroclor-1016 | 4.1 | 0.20 | mg/Kg | 4.00 | | 103 | 40-140 | 15.1 | 30 | |
| Aroclor-1016 [2C] | 4.6 | 0.20 | mg/Kg | 4.00 | | 114 | 40-140 | 20.5 | 30 | |
| Aroclor-1260 | 3.1 | 0.20 | mg/Kg | 4.00 | | 78.5 | 40-140 | 0.738 | 30 | |
| Aroclor-1260 [2C] | 3.1 | 0.20 | mg/Kg | 4.00 | | 78.6 | 40-140 | 1.33 | 30 | |
| Surrogate: Decachlorobiphenyl | *3.14* | | mg/Kg | 4.00 | | 78.4 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *3.17* | | mg/Kg | 4.00 | | 79.2 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *3.00* | | mg/Kg | 4.00 | | 75.0 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *3.18* | | mg/Kg | 4.00 | | 79.5 | 30-150 | | | |

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**FLAG/QUALIFIER SUMMARY**

| | |
|---|---|
| * | QC result is outside of established limits. |
| † | Wide recovery limits estabished for difficult compound. |
| ‡ | Wide RPD limits estabished for difficult compound. |
| # | Data exceeded client recommended or regulatory level |
| | Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded. |
| S-01 | The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences. |

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## CERTIFICATIONS

**Certified Analyses included in this Report**

| Analyte | Certifications |
|---|---|
| ***SW-846 8082 in Product/Solid*** | |
| Aroclor-1016 | CT,NH,NY |
| Aroclor-1016 [2C] | CT,NH,NY |
| Aroclor-1221 | CT,NH,NY |
| Aroclor-1221 [2C] | CT,NH,NY |
| Aroclor-1232 | CT,NH,NY |
| Aroclor-1232 [2C] | CT,NH,NY |
| Aroclor-1242 | CT,NH,NY |
| Aroclor-1242 [2C] | CT,NH,NY |
| Aroclor-1248 | CT,NH,NY |
| Aroclor-1248 [2C] | CT,NH,NY |
| Aroclor-1254 | CT,NH,NY |
| Aroclor-1254 [2C] | CT,NH,NY |
| Aroclor-1260 | CT,NH,NY |
| Aroclor-1260 [2C] | CT,NH,NY |

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

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

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

# CHAIN OF CUSTODY RECORD

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



mpany Name: Yee Consulting Group Inc.
dress: 318 Page St. Unit 14D
Stoughton MA 02072
ention: Rocky Chan
oject Location: Gustave Memorial Pool Fitchburg
mpled By: Rocky Chan

Telephone: (781) 344-5556
Project # OCR 8972
Client PO #

**DATA DELIVERY (check one):**
☒ FAX ☐ EMAIL ☐ WEBSITE CLIENT
Fax # : 781-344-9525
Email: ycgi1994@aol.com
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required? ☐ yes ☐ no

**ANALYSIS REQUESTED**

PCB Soxlet Method

| ld ID | Sample Description | Lab # 1000687 | Date Sampled Start Date/Time | Stop Date/Time | Composite | Grab | *Matrix Code | Conc. Code | # of containe | **Preservati | ~Cont. Code |
|---|---|---|---|---|---|---|---|---|---|---|---|
| A | Gray Caulking ~~Cement~~ Expansion Joint Pool Deck | 01 | 3/18/10 | | | ✓ | S | | | | |
| Acon | Cement @ Expansion Joint on Pool Deck | 02 | 3/18/10 | | | ✓ | S | | | | |
| B | Gray Caulking Expansion Joint @ Wading Pool | 03 | 3/18/10 | | | ✓ | S | | | | |
| Bcon | Cement @ Expansion Joint @ Wading Pool | 04 | 3/18/10 | | | ✓ | S | | | | |
| A | Thick Gray Caulking Woman's Room Expansion Joint | 05 | 3/18/10 | | | ✓ | S | | | | |
| Acon | Concrete @ Woman's Room Expansion Joint | 06 | 3/18/10 | | | ✓ | S | | | | |
| B | Thick Gray Caulking Mens Room Expansion Joint | 07 | 3/18/10 | | | ✓ | S | | | | |
| Bcon | Concrete @ Men's Room Expansion Joint | 08 | 3/18/10 | | | ✓ | S | | | | |

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

Client Comment

oratory Comments:

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

| | | |
|---|---|---|
| inquished by: (signature) Rocky Chan | Date/Time: 3/26/10 9:30 | |
| ceived by: (signature) [illegible] | Date/Time: 3-26-10 0930 | |
| inquished by: (signature) [illegible] | Date/Time: 3-26-10 1810 | |
| ceived by: (signature) [illegible] | Date/Time: 3/26/10 1810 | |

**Turnaround ****
☒ 7-Day
☐ 10-Day
☐ Other ____

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

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

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

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

TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS

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

# Sample Receipt Checklist

CLIENT NAME: Yee Consulting Group RECEIVED BY: JDP DATE: 3/26/10

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

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

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

Who was notified _____ Date _____ Time _____

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

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

Client Signature: _____

## Containers sent in to Con-Test

| | # of containers | | # of containers |
|---|---|---|---|
| 1 Liter Amber | | 8 oz clear jar | 5 |
| 500 mL Amber | | 4 oz clear jar | |
| 250 mL Amber (8oz amber) | | 2 oz clear jar | |
| 1 Liter Plastic | | Other glass jar | |
| 500 mL Plastic | | Plastic Bag / Ziploc | |
| 250 mL plastic | | Air Cassette | |
| 40 mL Vial - type listed below | | Brass Sleeves | |
| Colisure / bacteria bottle | | Tubes | |
| Dissolved Oxygen bottle | | Summa Cans | |
| Flashpoint bottle | | Regulators | |
| Encore | | Other | |
| | | 8 oz amber Jar | 3 |

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

# Bisulfate _____ # DI Water _____ Time and Date Frozen: _____

# Thiosulfate _____ Unpreserved _____

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

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December 9, 2010

Rocky Chan
Yee Consulting Group, Inc.
378 Page Street, Unit 14D
Stoughton, MA 02072

Project Location: DCR Gustave Pool, Fitchburg, MA
Client Job Number:
Project Number: 8922
Laboratory Work Order Number: 10L0085

Enclosed are results of analyses for samples received by the laboratory on December 2, 2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Meghan E. Kelley

Meghan E. Kelley
Project Manager

con-test® ANALYTICAL LABORATORY

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Yee Consulting Group, Inc.
378 Page Street, Unit 14D
Stoughton, MA 02072
ATTN: Rocky Chan

REPORT DATE: 12/9/2010

PURCHASE ORDER NUMBER: 8922Y

PROJECT NUMBER: 8922

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 10L0085

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

PROJECT LOCATION: DCR Gustave Pool, Fitchburg, MA

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|---|---|---|---|---|---|
| C1 | 10L0085-01 | Product/Solid | Concrete Deck | SW-846 8082 | |
| C1+12 | 10L0085-02 | Product/Solid | Concrete Deck | SW-846 8082 | |
| C1 Soil 0-6 | 10L0085-03 | Soil | 0-6 Soil | SM 2540G | |
| | | | | SW-846 8082 | |
| C1 Soil 6-12 | 10L0085-04 | Soil | 6-12 Soil | SM 2540G | |
| | | | | SW-846 8082 | |
| C2 | 10L0085-05 | Product/Solid | Concrete Deck | SW-846 8082 | |
| C2 + 12 | 10L0085-06 | Product/Solid | Concrete Deck | SW-846 8082 | |
| C3 | 10L0085-07 | Product/Solid | Concrete Deck | SW-846 8082 | |
| C3 + 12 | 10L0085-08 | Product/Solid | Concrete Deck | SW-846 8082 | |
| C3 Soil 0-6 | 10L0085-09 | Soil | 0-6 Soil | SM 2540G | |
| | | | | SW-846 8082 | |
| C3 Soil 6-12 | 10L0085-10 | Soil | 6-12 Soil | SM 2540G | |
| | | | | SW-846 8082 | |
| C4 | 10L0085-11 | Product/Solid | Concrete Deck | SW-846 8082 | |
| C4 + 12 | 10L0085-12 | Product/Solid | Concrete Deck | SW-846 8082 | |
| C5 | 10L0085-13 | Product/Solid | Concrete Deck | SW-846 8082 | |
| C5 + 12 | 10L0085-14 | Product/Solid | Concrete Deck | SW-846 8082 | |
| C5 Soil 0-6 | 10L0085-15 | Soil | 0-6 Soil | SM 2540G | |
| | | | | SW-846 8082 | |
| C5 Soil 6-12 | 10L0085-16 | Soil | 6-12 Soil | SM 2540G | |
| | | | | SW-846 8082 | |
| C6 | 10L0085-17 | Product/Solid | Concrete Deck | SW-846 8082 | |
| C6 + 12 | 10L0085-18 | Product/Solid | Concrete Deck | SW-846 8082 | |
| C1 Footing 6" | 10L0085-19 | Product/Solid | | SW-846 8082 | |
| C3 Footing 6" | 10L0085-20 | Product/Solid | | SW-846 8082 | |
| C5 Footing 6" | 10L0085-21 | Product/Solid | | SW-846 8082 | |

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**CASE NARRATIVE SUMMARY**

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

**SW-846 8082**

**Qualifications:**

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

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

**Aroclor-1016, Aroclor-1016 [2C], Aroclor-1260 [2C]**
B023192-MS1, B023192-MSD1

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

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

**Decachlorobiphenyl, Decachlorobiphenyl [2C], Tetrachloro-m-xylene, Tetrachloro-m-xylene [2C]**
10L0085-09[C3 Soil 0-6]

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

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY

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Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: Concrete Deck  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C1**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-01**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 8:32 | PJG |
| Aroclor-1221 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 8:32 | PJG |
| Aroclor-1232 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 8:32 | PJG |
| Aroclor-1242 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 8:32 | PJG |
| Aroclor-1248 [1] | 5.4 | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 8:32 | PJG |
| Aroclor-1254 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 8:32 | PJG |
| Aroclor-1260 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 8:32 | PJG |
| Aroclor-1262 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 8:32 | PJG |
| Aroclor-1268 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 8:32 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 131 | 30-150 | | 12/7/10 8:32 |
| Decachlorobiphenyl [2] | 149 | 30-150 | | 12/7/10 8:32 |
| Tetrachloro-m-xylene [1] | 122 | 30-150 | | 12/7/10 8:32 |
| Tetrachloro-m-xylene [2] | 127 | 30-150 | | 12/7/10 8:32 |

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Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: Concrete Deck  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C1+12**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-02**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:35 | PJG |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:35 | PJG |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:35 | PJG |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:35 | PJG |
| Aroclor-1248 [1] | 0.43 | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:35 | PJG |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:35 | PJG |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:35 | PJG |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:35 | PJG |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:35 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 107 | 30-150 | | 12/6/10 21:35 |
| Decachlorobiphenyl [2] | 136 | 30-150 | | 12/6/10 21:35 |
| Tetrachloro-m-xylene [1] | 116 | 30-150 | | 12/6/10 21:35 |
| Tetrachloro-m-xylene [2] | 135 | 30-150 | | 12/6/10 21:35 |

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Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: 0-6 Soil  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C1 Soil 0-6**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-03**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:02 | PJG |
| Aroclor-1221 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:02 | PJG |
| Aroclor-1232 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:02 | PJG |
| Aroclor-1242 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:02 | PJG |
| Aroclor-1248 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:02 | PJG |
| Aroclor-1254 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:02 | PJG |
| Aroclor-1260 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:02 | PJG |
| Aroclor-1262 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:02 | PJG |
| Aroclor-1268 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:02 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 99.7 | 30-150 | | 12/6/10 20:02 |
| Decachlorobiphenyl [2] | 94.4 | 30-150 | | 12/6/10 20:02 |
| Tetrachloro-m-xylene [1] | 106 | 30-150 | | 12/6/10 20:02 |
| Tetrachloro-m-xylene [2] | 106 | 30-150 | | 12/6/10 20:02 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: 0-6 Soil  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C1 Soil 0-6**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-03**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 81.0 | | % Wt | 1 | | SM 2540G | 12/6/10 | 12/7/10 9:13 | VAF |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: 6-12 Soil  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C1 Soil 6-12**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-04**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:15 | PJG |
| Aroclor-1221 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:15 | PJG |
| Aroclor-1232 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:15 | PJG |
| Aroclor-1242 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:15 | PJG |
| Aroclor-1248 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:15 | PJG |
| Aroclor-1254 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:15 | PJG |
| Aroclor-1260 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:15 | PJG |
| Aroclor-1262 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:15 | PJG |
| Aroclor-1268 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:15 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 105 | 30-150 | | 12/6/10 20:15 |
| Decachlorobiphenyl [2] | 97.7 | 30-150 | | 12/6/10 20:15 |
| Tetrachloro-m-xylene [1] | 106 | 30-150 | | 12/6/10 20:15 |
| Tetrachloro-m-xylene [2] | 107 | 30-150 | | 12/6/10 20:15 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: 6-12 Soil  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C1 Soil 6-12**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-04**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 95.2 | | % Wt | 1 | | SM 2540G | 12/6/10 | 12/7/10 9:13 | VAF |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: Concrete Deck  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C2**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-05**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:50 | PJG |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:50 | PJG |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:50 | PJG |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:50 | PJG |
| Aroclor-1248 [2] | 0.34 | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:50 | PJG |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:50 | PJG |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:50 | PJG |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:50 | PJG |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:50 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 113 | 30-150 | | 12/6/10 21:50 |
| Decachlorobiphenyl [2] | 142 | 30-150 | | 12/6/10 21:50 |
| Tetrachloro-m-xylene [1] | 118 | 30-150 | | 12/6/10 21:50 |
| Tetrachloro-m-xylene [2] | 135 | 30-150 | | 12/6/10 21:50 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: Concrete Deck  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C2 + 12**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-06**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:04 | PJG |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:04 | PJG |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:04 | PJG |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:04 | PJG |
| Aroclor-1248 [1] | 0.14 | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:04 | PJG |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:04 | PJG |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:04 | PJG |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:04 | PJG |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:04 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 109 | 30-150 | | 12/6/10 22:04 |
| Decachlorobiphenyl [2] | 135 | 30-150 | | 12/6/10 22:04 |
| Tetrachloro-m-xylene [1] | 116 | 30-150 | | 12/6/10 22:04 |
| Tetrachloro-m-xylene [2] | 134 | 30-150 | | 12/6/10 22:04 |

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: Concrete Deck  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C3**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-07**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:18 | PJG |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:18 | PJG |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:18 | PJG |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:18 | PJG |
| Aroclor-1248 [1] | 0.53 | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:18 | PJG |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:18 | PJG |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:18 | PJG |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:18 | PJG |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:18 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 112 | 30-150 | | 12/6/10 22:18 |
| Decachlorobiphenyl [2] | 134 | 30-150 | | 12/6/10 22:18 |
| Tetrachloro-m-xylene [1] | 108 | 30-150 | | 12/6/10 22:18 |
| Tetrachloro-m-xylene [2] | 124 | 30-150 | | 12/6/10 22:18 |

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: Concrete Deck  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C3 + 12**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-08**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:33 | PJG |
| Aroclor-1221 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:33 | PJG |
| Aroclor-1232 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:33 | PJG |
| Aroclor-1242 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:33 | PJG |
| Aroclor-1248 [1] | 0.10 | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:33 | PJG |
| Aroclor-1254 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:33 | PJG |
| Aroclor-1260 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:33 | PJG |
| Aroclor-1262 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:33 | PJG |
| Aroclor-1268 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:33 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 116 | 30-150 | | 12/6/10 22:33 |
| Decachlorobiphenyl [2] | 138 | 30-150 | | 12/6/10 22:33 |
| Tetrachloro-m-xylene [1] | 115 | 30-150 | | 12/6/10 22:33 |
| Tetrachloro-m-xylene [2] | 131 | 30-150 | | 12/6/10 22:33 |

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: 0-6 Soil  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C3 Soil 0-6**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-09**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 1.1 | mg/Kg dry | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:10 | PJG |
| Aroclor-1221 [1] | ND | 1.1 | mg/Kg dry | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:10 | PJG |
| Aroclor-1232 [1] | ND | 1.1 | mg/Kg dry | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:10 | PJG |
| Aroclor-1242 [1] | ND | 1.1 | mg/Kg dry | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:10 | PJG |
| Aroclor-1248 [1] | 9.0 | 1.1 | mg/Kg dry | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:10 | PJG |
| Aroclor-1254 [1] | ND | 1.1 | mg/Kg dry | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:10 | PJG |
| Aroclor-1260 [1] | ND | 1.1 | mg/Kg dry | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:10 | PJG |
| Aroclor-1262 [1] | ND | 1.1 | mg/Kg dry | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:10 | PJG |
| Aroclor-1268 [1] | ND | 1.1 | mg/Kg dry | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:10 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| **Decachlorobiphenyl [1]** | * | 30-150 | S-01 | 12/7/10 9:10 |
| **Decachlorobiphenyl [2]** | * | 30-150 | S-01 | 12/7/10 9:10 |
| **Tetrachloro-m-xylene [1]** | * | 30-150 | S-01 | 12/7/10 9:10 |
| **Tetrachloro-m-xylene [2]** | * | 30-150 | S-01 | 12/7/10 9:10 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: 0-6 Soil  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C3 Soil 0-6**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-09**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 94.7 | | % Wt | 1 | | SM 2540G | 12/6/10 | 12/7/10 9:13 | VAF |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: 6-12 Soil  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C3 Soil 6-12**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-10**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.21 | mg/Kg dry | 2 | | SW-846 8082 | 12/3/10 | 12/7/10 9:23 | PJG |
| Aroclor-1221 [1] | ND | 0.21 | mg/Kg dry | 2 | | SW-846 8082 | 12/3/10 | 12/7/10 9:23 | PJG |
| Aroclor-1232 [1] | ND | 0.21 | mg/Kg dry | 2 | | SW-846 8082 | 12/3/10 | 12/7/10 9:23 | PJG |
| Aroclor-1242 [1] | ND | 0.21 | mg/Kg dry | 2 | | SW-846 8082 | 12/3/10 | 12/7/10 9:23 | PJG |
| Aroclor-1248 [1] | 1.7 | 0.21 | mg/Kg dry | 2 | | SW-846 8082 | 12/3/10 | 12/7/10 9:23 | PJG |
| Aroclor-1254 [1] | ND | 0.21 | mg/Kg dry | 2 | | SW-846 8082 | 12/3/10 | 12/7/10 9:23 | PJG |
| Aroclor-1260 [1] | ND | 0.21 | mg/Kg dry | 2 | | SW-846 8082 | 12/3/10 | 12/7/10 9:23 | PJG |
| Aroclor-1262 [1] | ND | 0.21 | mg/Kg dry | 2 | | SW-846 8082 | 12/3/10 | 12/7/10 9:23 | PJG |
| Aroclor-1268 [1] | ND | 0.21 | mg/Kg dry | 2 | | SW-846 8082 | 12/3/10 | 12/7/10 9:23 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 96.2 | 30-150 | | 12/7/10 9:23 |
| Decachlorobiphenyl [2] | 92.8 | 30-150 | | 12/7/10 9:23 |
| Tetrachloro-m-xylene [1] | 102 | 30-150 | | 12/7/10 9:23 |
| Tetrachloro-m-xylene [2] | 107 | 30-150 | | 12/7/10 9:23 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: 6-12 Soil  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C3 Soil 6-12**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-10**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 94.7 | | % Wt | 1 | | SM 2540G | 12/6/10 | 12/7/10 9:13 | VAF |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: Concrete Deck  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C4**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-11**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:47 | PJG |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:47 | PJG |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:47 | PJG |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:47 | PJG |
| Aroclor-1248 [1] | 1.2 | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:47 | PJG |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:47 | PJG |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:47 | PJG |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:47 | PJG |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 22:47 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 119 | 30-150 | | 12/6/10 22:47 |
| Decachlorobiphenyl [2] | 142 | 30-150 | | 12/6/10 22:47 |
| Tetrachloro-m-xylene [1] | 119 | 30-150 | | 12/6/10 22:47 |
| Tetrachloro-m-xylene [2] | 136 | 30-150 | | 12/6/10 22:47 |

con-test® ANALYTICAL LABORATORY

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

ɔject Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: Concrete Deck  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C4 + 12**  Sampled: 12/1/2010 00:00

**mple ID: 10L0085-12**

ɔample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:45 | PJG |
| 'oclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:45 | PJG |
| 'oclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:45 | PJG |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:45 | PJG |
| roclor-1248 [1] | 0.66 | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:45 | PJG |
| roclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:45 | PJG |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:45 | PJG |
| roclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:45 | PJG |
| roclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:45 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| ecachlorobiphenyl [1] | 114 | 30-150 | | 12/6/10 23:45 |
| ecachlorobiphenyl [2] | 137 | 30-150 | | 12/6/10 23:45 |
| Tetrachloro-m-xylene [1] | 113 | 30-150 | | 12/6/10 23:45 |
| Tetrachloro-m-xylene [2] | 130 | 30-150 | | 12/6/10 23:45 |

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: Concrete Deck  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C5**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-13**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:59 | PJG |
| Aroclor-1221 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:59 | PJG |
| Aroclor-1232 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:59 | PJG |
| Aroclor-1242 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:59 | PJG |
| Aroclor-1248 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:59 | PJG |
| Aroclor-1254 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:59 | PJG |
| Aroclor-1260 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:59 | PJG |
| Aroclor-1262 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:59 | PJG |
| Aroclor-1268 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 23:59 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 114 | 30-150 | | 12/6/10 23:59 |
| Decachlorobiphenyl [2] | 134 | 30-150 | | 12/6/10 23:59 |
| Tetrachloro-m-xylene [1] | 115 | 30-150 | | 12/6/10 23:59 |
| Tetrachloro-m-xylene [2] | 132 | 30-150 | | 12/6/10 23:59 |

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: Concrete Deck  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C5 + 12**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-14**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:13 | PJG |
| Aroclor-1221 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:13 | PJG |
| Aroclor-1232 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:13 | PJG |
| Aroclor-1242 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:13 | PJG |
| Aroclor-1248 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:13 | PJG |
| Aroclor-1254 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:13 | PJG |
| Aroclor-1260 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:13 | PJG |
| Aroclor-1262 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:13 | PJG |
| Aroclor-1268 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:13 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 113 | 30-150 | | 12/7/10 0:13 |
| Decachlorobiphenyl [2] | 134 | 30-150 | | 12/7/10 0:13 |
| Tetrachloro-m-xylene [1] | 106 | 30-150 | | 12/7/10 0:13 |
| Tetrachloro-m-xylene [2] | 123 | 30-150 | | 12/7/10 0:13 |

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: 0-6 Soil  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C5 Soil 0-6**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-15**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:56 | PJG |
| Aroclor-1221 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:56 | PJG |
| Aroclor-1232 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:56 | PJG |
| Aroclor-1242 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:56 | PJG |
| Aroclor-1248 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:56 | PJG |
| Aroclor-1254 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:56 | PJG |
| Aroclor-1260 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:56 | PJG |
| Aroclor-1262 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:56 | PJG |
| Aroclor-1268 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 20:56 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 98.8 | 30-150 | | 12/6/10 20:56 |
| Decachlorobiphenyl [2] | 91.7 | 30-150 | | 12/6/10 20:56 |
| Tetrachloro-m-xylene [1] | 108 | 30-150 | | 12/6/10 20:56 |
| Tetrachloro-m-xylene [2] | 109 | 30-150 | | 12/6/10 20:56 |

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: 0-6 Soil  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C5 Soil 0-6**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-15**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 90.6 | | % Wt | 1 | | SM 2540G | 12/6/10 | 12/7/10 9:13 | VAF |

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: 6-12 Soil  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C5 Soil 6-12**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-16**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:10 | PJG |
| Aroclor-1221 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:10 | PJG |
| Aroclor-1232 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:10 | PJG |
| Aroclor-1242 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:10 | PJG |
| Aroclor-1248 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:10 | PJG |
| Aroclor-1254 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:10 | PJG |
| Aroclor-1260 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:10 | PJG |
| Aroclor-1262 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:10 | PJG |
| Aroclor-1268 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 12/3/10 | 12/6/10 21:10 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 106 | 30-150 | | 12/6/10 21:10 |
| Decachlorobiphenyl [2] | 99.2 | 30-150 | | 12/6/10 21:10 |
| Tetrachloro-m-xylene [1] | 107 | 30-150 | | 12/6/10 21:10 |
| Tetrachloro-m-xylene [2] | 108 | 30-150 | | 12/6/10 21:10 |

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: 6-12 Soil  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C5 Soil 6-12**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-16**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 94.0 | | % Wt | 1 | | SM 2540G | 12/6/10 | 12/7/10 9:13 | VAF |

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: Concrete Deck  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C6**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-17**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:28 | PJG |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:28 | PJG |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:28 | PJG |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:28 | PJG |
| Aroclor-1248 [2] | 0.61 | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:28 | PJG |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:28 | PJG |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:28 | PJG |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:28 | PJG |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:28 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 126 | 30-150 | | 12/7/10 0:28 |
| Decachlorobiphenyl [2] | 149 | 30-150 | | 12/7/10 0:28 |
| Tetrachloro-m-xylene [1] | 119 | 30-150 | | 12/7/10 0:28 |
| Tetrachloro-m-xylene [2] | 137 | 30-150 | | 12/7/10 0:28 |

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description: Concrete Deck  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C6 + 12**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-18**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:42 | PJG |
| Aroclor-1221 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:42 | PJG |
| Aroclor-1232 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:42 | PJG |
| Aroclor-1242 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:42 | PJG |
| Aroclor-1248 [2] | 0.37 | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:42 | PJG |
| Aroclor-1254 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:42 | PJG |
| Aroclor-1260 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:42 | PJG |
| Aroclor-1262 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:42 | PJG |
| Aroclor-1268 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 0:42 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 116 | 30-150 | | 12/7/10 0:42 |
| Decachlorobiphenyl [2] | 138 | 30-150 | | 12/7/10 0:42 |
| Tetrachloro-m-xylene [1] | 115 | 30-150 | | 12/7/10 0:42 |
| Tetrachloro-m-xylene [2] | 133 | 30-150 | | 12/7/10 0:42 |

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

Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description:  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C1 Footing 6"**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-19**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.50 | mg/Kg | 5 | | SW-846 8082 | 12/3/10 | 12/7/10 8:47 | PJG |
| Aroclor-1221 [1] | ND | 0.50 | mg/Kg | 5 | | SW-846 8082 | 12/3/10 | 12/7/10 8:47 | PJG |
| Aroclor-1232 [1] | ND | 0.50 | mg/Kg | 5 | | SW-846 8082 | 12/3/10 | 12/7/10 8:47 | PJG |
| Aroclor-1242 [1] | ND | 0.50 | mg/Kg | 5 | | SW-846 8082 | 12/3/10 | 12/7/10 8:47 | PJG |
| Aroclor-1248 [1] | 3.0 | 0.50 | mg/Kg | 5 | | SW-846 8082 | 12/3/10 | 12/7/10 8:47 | PJG |
| Aroclor-1254 [1] | ND | 0.50 | mg/Kg | 5 | | SW-846 8082 | 12/3/10 | 12/7/10 8:47 | PJG |
| Aroclor-1260 [1] | ND | 0.50 | mg/Kg | 5 | | SW-846 8082 | 12/3/10 | 12/7/10 8:47 | PJG |
| Aroclor-1262 [1] | ND | 0.50 | mg/Kg | 5 | | SW-846 8082 | 12/3/10 | 12/7/10 8:47 | PJG |
| Aroclor-1268 [1] | ND | 0.50 | mg/Kg | 5 | | SW-846 8082 | 12/3/10 | 12/7/10 8:47 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 116 | 30-150 | | 12/7/10 8:47 |
| Decachlorobiphenyl [2] | 148 | 30-150 | | 12/7/10 8:47 |
| Tetrachloro-m-xylene [1] | 120 | 30-150 | | 12/7/10 8:47 |
| Tetrachloro-m-xylene [2] | 134 | 30-150 | | 12/7/10 8:47 |

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

Project Location: DCR Gustave Pool, Fitchburg, MA
Sample Description:
Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C3 Footing 6"**
Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-20**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:01 | PJG |
| Aroclor-1221 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:01 | PJG |
| Aroclor-1232 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:01 | PJG |
| Aroclor-1242 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:01 | PJG |
| Aroclor-1248 [1] | 13 | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:01 | PJG |
| Aroclor-1254 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:01 | PJG |
| Aroclor-1260 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:01 | PJG |
| Aroclor-1262 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:01 | PJG |
| Aroclor-1268 [1] | ND | 1.0 | mg/Kg | 10 | | SW-846 8082 | 12/3/10 | 12/7/10 9:01 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 130 | 30-150 | | 12/7/10 9:01 |
| Decachlorobiphenyl [2] | 150 | 30-150 | | 12/7/10 9:01 |
| Tetrachloro-m-xylene [1] | 126 | 30-150 | | 12/7/10 9:01 |
| Tetrachloro-m-xylene [2] | 132 | 30-150 | | 12/7/10 9:01 |

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Project Location: DCR Gustave Pool, Fitchburg, MA  Sample Description:  Work Order: 10L0085

Date Received: 12/2/2010

**Field Sample #: C5 Footing 6"**  Sampled: 12/1/2010 00:00

**Sample ID: 10L0085-21**

Sample Matrix: Product/Solid

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 1:25 | PJG |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 1:25 | PJG |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 1:25 | PJG |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 1:25 | PJG |
| Aroclor-1248 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 1:25 | PJG |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 1:25 | PJG |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 1:25 | PJG |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 1:25 | PJG |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 12/3/10 | 12/7/10 1:25 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 117 | 30-150 | | 12/7/10 1:25 |
| Decachlorobiphenyl [2] | 141 | 30-150 | | 12/7/10 1:25 |
| Tetrachloro-m-xylene [1] | 118 | 30-150 | | 12/7/10 1:25 |
| Tetrachloro-m-xylene [2] | 136 | 30-150 | | 12/7/10 1:25 |

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## Sample Extraction Data

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

| Lab Number [Field ID] | Batch | Date |
|---|---|---|
| 10L0085-03 [C1 Soil 0-6] | B023256 | 12/06/10 |
| 0L0085-04 [C1 Soil 6-12] | B023256 | 12/06/10 |
| 0L0085-09 [C3 Soil 0-6] | B023256 | 12/06/10 |
| 10L0085-10 [C3 Soil 6-12] | B023256 | 12/06/10 |
| 0L0085-15 [C5 Soil 0-6] | B023256 | 12/06/10 |
| 0L0085-16 [C5 Soil 6-12] | B023256 | 12/06/10 |

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

| Lab Number [Field ID] | Batch | Initial [g] | Final [mL] | Date |
|---|---|---|---|---|
| 0L0085-01 [C1] | B023192 | 2.00 | 10.0 | 12/03/10 |
| 0L0085-02 [C1+12] | B023192 | 2.00 | 10.0 | 12/03/10 |
| 10L0085-05 [C2] | B023192 | 2.00 | 10.0 | 12/03/10 |
| 10L0085-06 [C2 + 12] | B023192 | 2.00 | 10.0 | 12/03/10 |
| 10L0085-07 [C3] | B023192 | 2.00 | 10.0 | 12/03/10 |
| 0L0085-08 [C3 + 12] | B023192 | 2.10 | 10.0 | 12/03/10 |
| 10L0085-11 [C4] | B023192 | 2.00 | 10.0 | 12/03/10 |
| 10L0085-12 [C4 + 12] | B023192 | 2.00 | 10.0 | 12/03/10 |
| 10L0085-13 [C5] | B023192 | 2.10 | 10.0 | 12/03/10 |
| 0L0085-14 [C5 + 12] | B023192 | 2.10 | 10.0 | 12/03/10 |
| 10L0085-17 [C6] | B023192 | 2.00 | 10.0 | 12/03/10 |
| 10L0085-18 [C6 + 12] | B023192 | 2.10 | 10.0 | 12/03/10 |
| 10L0085-19 [C1 Footing 6"] | B023192 | 2.00 | 10.0 | 12/03/10 |
| 10L0085-20 [C3 Footing 6"] | B023192 | 2.00 | 10.0 | 12/03/10 |
| 10L0085-21 [C5 Footing 6"] | B023192 | 2.00 | 10.0 | 12/03/10 |

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

| Lab Number [Field ID] | Batch | Initial [g] | Final [mL] | Date |
|---|---|---|---|---|
| 10L0085-03 [C1 Soil 0-6] | B023191 | 10.0 | 50.0 | 12/03/10 |
| 10L0085-04 [C1 Soil 6-12] | B023191 | 10.0 | 50.0 | 12/03/10 |
| 10L0085-09 [C3 Soil 0-6] | B023191 | 10.0 | 50.0 | 12/03/10 |
| 0L0085-10 [C3 Soil 6-12] | B023191 | 10.0 | 50.0 | 12/03/10 |
| 10L0085-15 [C5 Soil 0-6] | B023191 | 10.0 | 50.0 | 12/03/10 |
| 10L0085-16 [C5 Soil 6-12] | B023191 | 10.1 | 50.0 | 12/03/10 |

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## QUALITY CONTROL

### Polychlorinated Biphenyls By GC/ECD - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B023191 - SW-846 3540C** | | | | | | | | | | |
| **Blank (B023191-BLK1)** | | | | Prepared: 12/03/10 Analyzed: 12/06/10 | | | | | | |
| Aroclor-1016 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1016 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1221 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1221 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1232 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1232 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1242 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1242 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1248 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1248 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1254 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1254 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1260 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1260 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1262 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1262 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1268 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1268 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Surrogate: Decachlorobiphenyl | *0.232* | | mg/Kg wet | 0.200 | | 116 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.235* | | mg/Kg wet | 0.200 | | 118 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.264* | | mg/Kg wet | 0.200 | | 132 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.266* | | mg/Kg wet | 0.200 | | 133 | 30-150 | | | |
| **LCS (B023191-BS1)** | | | | Prepared: 12/03/10 Analyzed: 12/06/10 | | | | | | |
| Aroclor-1016 | 0.24 | 0.10 | mg/Kg wet | 0.200 | | 122 | 40-140 | | | |
| Aroclor-1016 [2C] | 0.27 | 0.10 | mg/Kg wet | 0.200 | | 133 | 40-140 | | | |
| Aroclor-1260 | 0.24 | 0.10 | mg/Kg wet | 0.200 | | 120 | 40-140 | | | |
| Aroclor-1260 [2C] | 0.23 | 0.10 | mg/Kg wet | 0.200 | | 117 | 40-140 | | | |
| Surrogate: Decachlorobiphenyl | *0.223* | | mg/Kg wet | 0.200 | | 111 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.225* | | mg/Kg wet | 0.200 | | 113 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.241* | | mg/Kg wet | 0.200 | | 121 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.245* | | mg/Kg wet | 0.200 | | 122 | 30-150 | | | |
| **LCS Dup (B023191-BSD1)** | | | | Prepared: 12/03/10 Analyzed: 12/06/10 | | | | | | |
| Aroclor-1016 | 0.25 | 0.10 | mg/Kg wet | 0.200 | | 125 | 40-140 | 2.60 | 30 | |
| Aroclor-1016 [2C] | 0.27 | 0.10 | mg/Kg wet | 0.200 | | 134 | 40-140 | 0.926 | 30 | |
| Aroclor-1260 | 0.25 | 0.10 | mg/Kg wet | 0.200 | | 125 | 40-140 | 4.32 | 30 | |
| Aroclor-1260 [2C] | 0.25 | 0.10 | mg/Kg wet | 0.200 | | 123 | 40-140 | 5.50 | 30 | |
| Surrogate: Decachlorobiphenyl | *0.235* | | mg/Kg wet | 0.200 | | 118 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.237* | | mg/Kg wet | 0.200 | | 118 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.248* | | mg/Kg wet | 0.200 | | 124 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.251* | | mg/Kg wet | 0.200 | | 125 | 30-150 | | | |

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## QUALITY CONTROL

### Polychlorinated Biphenyls By GC/ECD - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **atch B023191 - SW-846 3540C** | | | | | | | | | | |
| **latrix Spike (B023191-MS1)** | | **Source: 10L0085-03** | | Prepared: 12/03/10 Analyzed: 12/06/10 | | | | | | |
| Aroclor-1016 | 0.32 | 0.12 | mg/Kg dry | 0.247 | 0.0 | 131 | 40-140 | | | |
| .roclor-1016 [2C] | 0.31 | 0.12 | mg/Kg dry | 0.247 | 0.0 | 128 | 40-140 | | | |
| \roclor-1260 | 0.31 | 0.12 | mg/Kg dry | 0.247 | 0.0 | 127 | 40-140 | | | |
| Aroclor-1260 [2C] | 0.32 | 0.12 | mg/Kg dry | 0.247 | 0.0 | 128 | 40-140 | | | |
| Surrogate: Decachlorobiphenyl | *0.295* | | mg/Kg dry | 0.247 | | 120 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.296* | | mg/Kg dry | 0.247 | | 120 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.312* | | mg/Kg dry | 0.247 | | 126 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.316* | | mg/Kg dry | 0.247 | | 128 | 30-150 | | | |
| **Matrix Spike Dup (B023191-MSD1)** | | **Source: 10L0085-03** | | Prepared: 12/03/10 Analyzed: 12/06/10 | | | | | | |
| Aroclor-1016 | 0.33 | 0.12 | mg/Kg dry | 0.247 | 0.0 | 133 | 40-140 | 1.23 | 50 | |
| Aroclor-1016 [2C] | 0.34 | 0.12 | mg/Kg dry | 0.247 | 0.0 | 136 | 40-140 | 6.32 | 50 | |
| \roclor-1260 | 0.31 | 0.12 | mg/Kg dry | 0.247 | 0.0 | 124 | 40-140 | 2.41 | 50 | |
| \roclor-1260 [2C] | 0.31 | 0.12 | mg/Kg dry | 0.247 | 0.0 | 124 | 40-140 | 2.56 | 50 | |
| Surrogate: Decachlorobiphenyl | *0.275* | | mg/Kg dry | 0.247 | | 111 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.277* | | mg/Kg dry | 0.247 | | 112 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.293* | | mg/Kg dry | 0.247 | | 119 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.299* | | mg/Kg dry | 0.247 | | 121 | 30-150 | | | |
| **Batch B023192 - SW-846 3540C** | | | | | | | | | | |
| **Blank (B023192-BLK1)** | | | | Prepared: 12/03/10 Analyzed: 12/06/10 | | | | | | |
| Aroclor-1016 | ND | 0.10 | mg/Kg | | | | | | | |
| \roclor-1016 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| \roclor-1221 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1221 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1232 | ND | 0.10 | mg/Kg | | | | | | | |
| \roclor-1232 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| \roclor-1242 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1242 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1248 | ND | 0.10 | mg/Kg | | | | | | | |
| \roclor-1248 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| \roclor-1254 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1254 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| \roclor-1260 | ND | 0.10 | mg/Kg | | | | | | | |
| \roclor-1260 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1262 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1262 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| \roclor-1268 | ND | 0.10 | mg/Kg | | | | | | | |
| \roclor-1268 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Surrogate: Decachlorobiphenyl | *1.10* | | mg/Kg | 1.00 | | 110 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *1.16* | | mg/Kg | 1.00 | | 116 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *1.16* | | mg/Kg | 1.00 | | 116 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *1.20* | | mg/Kg | 1.00 | | 120 | 30-150 | | | |

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## QUALITY CONTROL

### Polychlorinated Biphenyls By GC/ECD - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B023192 - SW-846 3540C** | | | | | | | | | | | |
| **LCS (B023192-BS1)** | | | | Prepared: 12/03/10 Analyzed: 12/06/10 | | | | | | | |
| Aroclor-1016 | 0.31 | 0.10 | mg/Kg | 0.250 | | 124 | | 40-140 | | | |
| Aroclor-1016 [2C] | 0.29 | 0.10 | mg/Kg | 0.250 | | 117 | | 40-140 | | | |
| Aroclor-1260 | 0.29 | 0.10 | mg/Kg | 0.250 | | 116 | | 40-140 | | | |
| Aroclor-1260 [2C] | 0.30 | 0.10 | mg/Kg | 0.250 | | 120 | | 40-140 | | | |
| Surrogate: Decachlorobiphenyl | *1.09* | | mg/Kg | 1.00 | | 109 | | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *1.15* | | mg/Kg | 1.00 | | 115 | | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *1.13* | | mg/Kg | 1.00 | | 113 | | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *1.14* | | mg/Kg | 1.00 | | 114 | | 30-150 | | | |
| **LCS Dup (B023192-BSD1)** | | | | Prepared: 12/03/10 Analyzed: 12/06/10 | | | | | | | |
| Aroclor-1016 | 0.30 | 0.10 | mg/Kg | 0.250 | | 122 | | 40-140 | 2.38 | 30 | |
| Aroclor-1016 [2C] | 0.29 | 0.10 | mg/Kg | 0.250 | | 115 | | 40-140 | 1.89 | 30 | |
| Aroclor-1260 | 0.29 | 0.10 | mg/Kg | 0.250 | | 115 | | 40-140 | 1.24 | 30 | |
| Aroclor-1260 [2C] | 0.30 | 0.10 | mg/Kg | 0.250 | | 118 | | 40-140 | 1.67 | 30 | |
| Surrogate: Decachlorobiphenyl | *1.07* | | mg/Kg | 1.00 | | 107 | | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *1.13* | | mg/Kg | 1.00 | | 113 | | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *1.07* | | mg/Kg | 1.00 | | 107 | | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *1.07* | | mg/Kg | 1.00 | | 107 | | 30-150 | | | |
| **Matrix Spike (B023192-MS1)** | | **Source: 10L0085-01** | | Prepared: 12/03/10 Analyzed: 12/07/10 | | | | | | | |
| **Aroclor-1016** | 3.5 | 0.10 | mg/Kg | 0.250 | 0.0 | **1420** | * | 40-140 | | | MS-21 |
| **Aroclor-1016 [2C]** | 2.3 | 0.10 | mg/Kg | 0.250 | 0.0 | **909** | * | 40-140 | | | MS-21 |
| Aroclor-1260 | 0.30 | 0.10 | mg/Kg | 0.250 | 0.0 | 122 | | 40-140 | | | |
| **Aroclor-1260 [2C]** | 0.36 | 0.10 | mg/Kg | 0.250 | 0.0 | **145** | * | 40-140 | | | MS-21 |
| Surrogate: Decachlorobiphenyl | *1.07* | | mg/Kg | 1.00 | | 107 | | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *1.14* | | mg/Kg | 1.00 | | 114 | | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *1.14* | | mg/Kg | 1.00 | | 114 | | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *1.15* | | mg/Kg | 1.00 | | 115 | | 30-150 | | | |
| **Matrix Spike Dup (B023192-MSD1)** | | **Source: 10L0085-01** | | Prepared: 12/03/10 Analyzed: 12/07/10 | | | | | | | |
| **Aroclor-1016** | 5.3 | 0.10 | mg/Kg | 0.250 | 0.0 | **2100** | * | 40-140 | 38.9 | 50 | MS-21 |
| **Aroclor-1016 [2C]** | 3.5 | 0.10 | mg/Kg | 0.250 | 0.0 | **1400** | * | 40-140 | 42.2 | 50 | MS-21 |
| Aroclor-1260 | 0.34 | 0.10 | mg/Kg | 0.250 | 0.0 | 134 | | 40-140 | 9.78 | 50 | |
| **Aroclor-1260 [2C]** | 0.39 | 0.10 | mg/Kg | 0.250 | 0.0 | **157** | * | 40-140 | 8.25 | 50 | MS-21 |
| Surrogate: Decachlorobiphenyl | *1.09* | | mg/Kg | 1.00 | | 109 | | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *1.33* | | mg/Kg | 1.00 | | 133 | | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *1.15* | | mg/Kg | 1.00 | | 115 | | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *1.15* | | mg/Kg | 1.00 | | 115 | | 30-150 | | | |

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**FLAG/QUALIFIER SUMMARY**

| | |
|---|---|
| * | QC result is outside of established limits. |
| † | Wide recovery limits established for difficult compound. |
| ‡ | Wide RPD limits established for difficult compound. |
| # | Data exceeded client recommended or regulatory level |
| | Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded. |
| MS-21 | Matrix spike and spike duplicate recovery bias high due to contribution of other Aroclors present in source sample. |
| S-01 | The surrogate recovery for this sample is not available due to sample dilution below the surrogate reporting limit required from high analyte concentration and/or matrix interferences. |

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## CERTIFICATIONS

**Certified Analyses included in this Report**

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

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

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

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

# CHAIN OF CUSTODY RECORD

OL0085

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

Page 1 of

Company Name: Yee Consulting Group Inc.
Address: 328 Page St. Unit 140
Stoughton MA 02072
Attention:
Project Location: OCR Gustave Pool Fitchburg MA
Sampled By: Rickey Chan

Telephone: (781) 344-3556
Project # 8922
Client PO # ~~[illegible]~~

**DATA DELIVERY (check one):**
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax #:
Email: yeeri1994@aol.com
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

**ANALYSIS REQUESTED**

| Field ID | Sample Description | Lab # | Date Sampled Start Date/Time | Stop Date/Time | Composite | Grab | *Matrix Code | Conc. Code | PCB Soxhlet Method | # of containers | **Preservation | ~Cont. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C1 | concrete deck | 01 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| C1+12 | concrete deck | 02 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| C1 soil | 0"-6" - soil | 03 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| C1 soil | 6"-12" - soil | 04 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| ~~C1+2~~ | ~~soil~~ C2 - concrete deck | 05 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| | C2+12 - concrete deck | 06 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| | C3 - concrete deck | 07 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| | C3+12 concrete deck | 08 | 12/1/10 | | | ✓ | S | | ✓ | | | |

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

**Client Comments:**

Laboratory Comments:

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

| Relinquished by: (signature) | Date/Time: |
|---|---|
| Rickey Chan | 12/2/10 12:10 |
| Received by: (signature) | Date/Time: |
| [illegible] | 12/2/10 1218 |
| Relinquished by: (signature) | Date/Time: |
| [illegible] | 12/2/10 1655 |
| Received by: (signature) | Date/Time: |
| [illegible] 2.2°C | 12/2/10 1655 |

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

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

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

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

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

AIHA, NELAC & WDE

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# CHAIN OF CUSTODY RECORD

1010085

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

Page 2 of 3

Company Name: Yee Consulting Group Inc.
Address: 378 Page St. Unit 1410
Stoughton MA 02072
Attention:
Project Location: DCR Gustave Peal Fitchburg MA
Sampled By: Rocky Chan

Telephone: (781) 344-3556
Project # 8922
Client PO #

DATA DELIVERY (check one):
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT
Fax #:
Email: yeg1994@aol.com
Format: ☐ EXCEL ☒ PDF ☐ GIS KEY
☐ OTHER

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

State Form Required?
☐ yes ☐ no

ANALYSIS REQUESTED

| Field ID | Sample Description | Lab # | Date Sampled Start Date/Time | Stop Date/Time | Composite | Grab | *Matrix Code | Conc. Code | RCS soil method | # of containers | **Preservation Code | Cont. Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C3 Soil | 0"-6"-soil | 09 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| C3 Soil | 6"-12"-soil | 10 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| C4 | concrete deck | 11 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| C4+12 | - concrete deck | 12 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| C5 | - concrete deck | 13 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| C5+12 | - concrete deck | 14 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| C5 Soil | 0"-6"-soil | 15 | 12/1/10 | | | ✓ | S | | ✓ | | | |
| C5 Soil | 6"-12"-soil | 16 | 12/1/10 | | | ✓ | S | | ✓ | | | |

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

Client Comments:

Laboratory Comments:

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

| Relinquished by: (signature) | Date/Time: |
|---|---|
| Rocky Chan | 12/2/10 12:18 |
| Received by: (signature) | Date/Time: |
| [illegible] | 12-2-10 1218 |
| Relinquished by: (signature) | Date/Time: |
| [illegible] | 12-2-10 1655 |
| Received by: (signature) | Date/Time: |
| [illegible] | 12/2/10 1655 |

**Turnaround ****
☒ 7-Day
☐ 10-Day
☐ Other ____

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

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

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

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

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

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East Longmeadow, MA 01028

# CHAIN OF CUSTODY RECORD

Page 3 of

1010085

Company Name: Yee Consulting Group Inc
Address: 318 Page St. Unit 140
Stoughton MA 02072
Attention:
Project Location: DCR Gustave Peck Fitchburg MA
Sampled By: Rocky Chan

Telephone: 781-344-3554
Project #: 8977
Client PO#:

DATA DELIVERY (check all that apply)
○ FAX ● EMAIL ○ WEBSITE
Fax #:
Email: yeg1994@aol.com
Format: ● PDF ○ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

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

ANALYSIS REQUESTED: RCB Sexlist method.

| Con-Test Lab ID (laboratory use only) | Client Sample ID / Description | Collection: Beginning Date/Time | Ending Date/Time | Composite | Grab | *Matrix Code | Conc Code | # of Containers | ** Preservation | ***Container Code |
|---|---|---|---|---|---|---|---|---|---|---|
| 17 | C6 - Concrete deck | 12/1/10 | | | ✓ | S | | | | |
| 18 | C6 - Concrete deck | 12/1/10 | | | ✓ | S | | | | |
| 19 | C1 Footing 6" | 12/1/10 | | | ✓ | S | | | | |
| 20 | C3 Footing 6" | 12/1/10 | | | ✓ | S | | | | |
| 21 | C5 Footing 6" | 12/1/10 | | | ✓ | S | | | | |

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

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

| Relinquished by: (signature) | Date/Time: |
|---|---|
| Rocky Chan | 12/2/10 12:10 |
| Received by: (signature) | Date/Time: |
| [illegible] | 12-2-10 12:10 |
| Relinquished by: (signature) | Date/Time: |
| [illegible] | 12-2-10 1655 |
| Received by: (signature) | Date/Time: |
| [illegible] | 12/2/10 1655 |

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

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

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

nelac AIHA
NELAC & AIHA Certified
WBE/DBE Certified

†† TURNAROUND TIME (business days) STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ... YOU ... AIN. IS FO ... NOT ... ED C
COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ...

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East Longmeadow, MA.
01028
P: 413-525-2332
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# Sample Receipt Checklist

CLIENT NAME: Yee Consulting Group Inc RECEIVED BY: CJS DATE: 12/2/10

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.2 °C

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

Who was notified _____ Date _____ Time _____

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

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

## Containers received at Con-Test

| | # of containers | | # of containers |
|---|---|---|---|
| 1 Liter Amber | | 8 oz amber/clear jar | 21 |
| 500 mL Amber | | 4 oz amber/clear jar | |
| 250 mL Amber (8oz amber) | | 2 oz amber/clear jar | |
| 1 Liter Plastic | | Other glass jar | |
| 500 mL Plastic | | Plastic Bag / Ziploc | |
| 250 mL plastic | | Air Cassette | |
| 40 mL Vial - type listed below | | SOC Kit | |
| Colisure / bacteria bottle | | Tubes | |
| Dissolved Oxygen bottle | | Non-ConTest Container | |
| Flashpoint bottle | | Other | |
| Encore | | PM 2.5 / PM 10 | |
| Perchlorate Kit | | PUF Cartridge | |

Laboratory Comments:

Time and Date Frozen:

40 mL vials: # HCl _____ # Methanol _____

# Bisulfate _____ # DI Water _____

# Thiosulfate _____ Unpreserved _____

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

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

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ANALYTICAL LABORATORY

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

March 17, 2011

Rocky Chan
Yee Consulting Group, Inc.
378 Page Street, Unit 14D
Stoughton, MA 02072

Project Location: DCR Gustave Pool Fitchburg
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 11C0306

Enclosed are results of analyses for samples received by the laboratory on March 10, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

James M. Georgantas
Project Manager

con-test® ANALYTICAL LABORATORY

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

Yee Consulting Group, Inc.
378 Page Street, Unit 14D
Stoughton, MA 02072
ATTN: Rocky Chan

REPORT DATE: 3/17/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 11C0306

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

PROJECT LOCATION: DCR Gustave Pool Fitchburg

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|---|---|---|---|---|---|
| C2F06 | 11C0306-01 | Concrete | | SW-846 8082 | |
| C2F12 | 11C0306-02 | Concrete | | SW-846 8082 | |
| C3F12 | 11C0306-03 | Concrete | | SW-846 8082 | |
| C4F06 | 11C0306-04 | Concrete | | SW-846 8082 | |
| C4F12 | 11C0306-05 | Concrete | | SW-846 8082 | |
| C6F06 | 11C0306-06 | Concrete | | SW-846 8082 | |
| C6F12 | 11C0306-07 | Concrete | | SW-846 8082 | |
| C7 | 11C0306-08 | Concrete | | SW-846 8082 | |
| C7 + 12 | 11C0306-09 | Concrete | | SW-846 8082 | |
| C7 soil 0-6 | 11C0306-10 | Soil | | SM 2540G | |
| | | | | SW-846 8082 | |
| C7 soil 6-12 | 11C0306-11 | Soil | | SM 2540G | |
| | | | | SW-846 8082 | |
| C7F06 | 11C0306-12 | Concrete | | SW-846 8082 | |
| C7F12 | 11C0306-13 | Concrete | | SW-846 8082 | |
| C1+12 soil 0-6 | 11C0306-14 | Soil | | SM 2540G | |
| | | | | SW-846 8082 | |
| C3 + 12 soil 0-6 | 11C0306-15 | Soil | | SM 2540G | |
| | | | | SW-846 8082 | |
| C5 + 12 soil 0-6 | 11C0306-16 | Soil | | SM 2540G | |
| | | | | SW-846 8082 | |

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**CASE NARRATIVE SUMMARY**

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

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

Michael A. Erickson
Laboratory Director

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg | Sample Description: | Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C2F06** | Sampled: 3/9/2011 15:20

**Sample ID: 11C0306-01**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 15:22 | JB |
| Aroclor-1221 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 15:22 | JB |
| Aroclor-1232 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 15:22 | JB |
| Aroclor-1242 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 15:22 | JB |
| Aroclor-1248 [2] | 0.22 | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 15:22 | JB |
| Aroclor-1254 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 15:22 | JB |
| Aroclor-1260 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 15:22 | JB |
| Aroclor-1262 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 15:22 | JB |
| Aroclor-1268 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 15:22 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 71.3 | 30-150 | | 3/11/11 15:22 |
| Decachlorobiphenyl [2] | 110 | 30-150 | | 3/11/11 15:22 |
| Tetrachloro-m-xylene [1] | 93.7 | 30-150 | | 3/11/11 15:22 |
| Tetrachloro-m-xylene [2] | 100 | 30-150 | | 3/11/11 15:22 |

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

Project Location: DCR Gustave Pool Fitchburg | Sample Description: | Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C2F12** | Sampled: 3/9/2011 15:30

**Sample ID: 11C0306-02**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.18 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:33 | JB |
| Aroclor-1221 [1] | ND | 0.18 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:33 | JB |
| Aroclor-1232 [1] | ND | 0.18 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:33 | JB |
| Aroclor-1242 [1] | ND | 0.18 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:33 | JB |
| Aroclor-1248 [2] | 1.3 | 0.18 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:33 | JB |
| Aroclor-1254 [1] | ND | 0.18 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:33 | JB |
| Aroclor-1260 [1] | ND | 0.18 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:33 | JB |
| Aroclor-1262 [1] | ND | 0.18 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:33 | JB |
| Aroclor-1268 [1] | ND | 0.18 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:33 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 76.3 | 30-150 | | 3/12/11 6:33 |
| Decachlorobiphenyl [2] | 115 | 30-150 | | 3/12/11 6:33 |
| Tetrachloro-m-xylene [1] | 98.8 | 30-150 | | 3/12/11 6:33 |
| Tetrachloro-m-xylene [2] | 112 | 30-150 | | 3/12/11 6:33 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg | Sample Description: | Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C3F12** | Sampled: 3/9/2011 15:40

**Sample ID: 11C0306-03**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.20 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:48 | JB |
| Aroclor-1221 [1] | ND | 0.20 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:48 | JB |
| Aroclor-1232 [1] | ND | 0.20 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:48 | JB |
| Aroclor-1242 [1] | ND | 0.20 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:48 | JB |
| Aroclor-1248 [2] | 2.3 | 0.20 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:48 | JB |
| Aroclor-1254 [1] | ND | 0.20 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:48 | JB |
| Aroclor-1260 [1] | ND | 0.20 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:48 | JB |
| Aroclor-1262 [1] | ND | 0.20 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:48 | JB |
| Aroclor-1268 [1] | ND | 0.20 | mg/Kg | 2 | | SW-846 8082 | 3/10/11 | 3/12/11 6:48 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 87.1 | 30-150 | | 3/12/11 6:48 |
| Decachlorobiphenyl [2] | 112 | 30-150 | | 3/12/11 6:48 |
| Tetrachloro-m-xylene [1] | 96.1 | 30-150 | | 3/12/11 6:48 |
| Tetrachloro-m-xylene [2] | 103 | 30-150 | | 3/12/11 6:48 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg | Sample Description: | Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C4F06** | Sampled: 3/9/2011 15:45

**Sample ID: 11C0306-04**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 16:05 | JB |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 16:05 | JB |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 16:05 | JB |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 16:05 | JB |
| Aroclor-1248 [2] | 0.57 | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 16:05 | JB |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 16:05 | JB |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 16:05 | JB |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 16:05 | JB |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 16:05 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 71.8 | 30-150 | | 3/11/11 16:05 |
| Decachlorobiphenyl [2] | 113 | 30-150 | | 3/11/11 16:05 |
| Tetrachloro-m-xylene [1] | 96.9 | 30-150 | | 3/11/11 16:05 |
| Tetrachloro-m-xylene [2] | 101 | 30-150 | | 3/11/11 16:05 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg | Sample Description: | Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C4F12** | Sampled: 3/9/2011 15:50

**Sample ID: 11C0306-05**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:17 | JB |
| Aroclor-1221 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:17 | JB |
| Aroclor-1232 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:17 | JB |
| Aroclor-1242 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:17 | JB |
| Aroclor-1248 [1] | 0.18 | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:17 | JB |
| Aroclor-1254 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:17 | JB |
| Aroclor-1260 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:17 | JB |
| Aroclor-1262 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:17 | JB |
| Aroclor-1268 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:17 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 73.9 | 30-150 | | 3/11/11 17:17 |
| Decachlorobiphenyl [2] | 115 | 30-150 | | 3/11/11 17:17 |
| Tetrachloro-m-xylene [1] | 98.1 | 30-150 | | 3/11/11 17:17 |
| Tetrachloro-m-xylene [2] | 103 | 30-150 | | 3/11/11 17:17 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg

Sample Description:

Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C6F06**

Sampled: 3/9/2011 16:00

**Sample ID: 11C0306-06**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:32 | JB |
| Aroclor-1221 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:32 | JB |
| Aroclor-1232 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:32 | JB |
| Aroclor-1242 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:32 | JB |
| Aroclor-1248 [2] | 0.42 | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:32 | JB |
| Aroclor-1254 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:32 | JB |
| Aroclor-1260 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:32 | JB |
| Aroclor-1262 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:32 | JB |
| Aroclor-1268 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:32 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 74.0 | 30-150 | | 3/11/11 17:32 |
| Decachlorobiphenyl [2] | 116 | 30-150 | | 3/11/11 17:32 |
| Tetrachloro-m-xylene [1] | 98.7 | 30-150 | | 3/11/11 17:32 |
| Tetrachloro-m-xylene [2] | 102 | 30-150 | | 3/11/11 17:32 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg

Sample Description:

Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C6F12**

Sampled: 3/9/2011 16:10

**Sample ID: 11C0306-07**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:46 | JB |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:46 | JB |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:46 | JB |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:46 | JB |
| Aroclor-1248 [1] | 0.24 | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:46 | JB |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:46 | JB |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:46 | JB |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:46 | JB |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 17:46 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 70.7 | 30-150 | | 3/11/11 17:46 |
| Decachlorobiphenyl [2] | 111 | 30-150 | | 3/11/11 17:46 |
| Tetrachloro-m-xylene [1] | 96.9 | 30-150 | | 3/11/11 17:46 |
| Tetrachloro-m-xylene [2] | 99.2 | 30-150 | | 3/11/11 17:46 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg

Sample Description:

Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C7**

Sampled: 3/9/2011 16:35

**Sample ID: 11C0306-08**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:01 | JB |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:01 | JB |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:01 | JB |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:01 | JB |
| Aroclor-1248 [1] | 0.22 | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:01 | JB |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:01 | JB |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:01 | JB |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:01 | JB |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:01 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 69.7 | 30-150 | | 3/11/11 18:01 |
| Decachlorobiphenyl [2] | 108 | 30-150 | | 3/11/11 18:01 |
| Tetrachloro-m-xylene [1] | 101 | 30-150 | | 3/11/11 18:01 |
| Tetrachloro-m-xylene [2] | 106 | 30-150 | | 3/11/11 18:01 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg

Sample Description:

Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C7 + 12**

Sampled: 3/9/2011 16:45

**Sample ID: 11C0306-09**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:15 | JB |
| Aroclor-1221 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:15 | JB |
| Aroclor-1232 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:15 | JB |
| Aroclor-1242 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:15 | JB |
| Aroclor-1248 [2] | 0.13 | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:15 | JB |
| Aroclor-1254 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:15 | JB |
| Aroclor-1260 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:15 | JB |
| Aroclor-1262 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:15 | JB |
| Aroclor-1268 [1] | ND | 0.095 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:15 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 71.0 | 30-150 | | 3/11/11 18:15 |
| Decachlorobiphenyl [2] | 104 | 30-150 | | 3/11/11 18:15 |
| Tetrachloro-m-xylene [1] | 94.5 | 30-150 | | 3/11/11 18:15 |
| Tetrachloro-m-xylene [2] | 100 | 30-150 | | 3/11/11 18:15 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg | Sample Description: | Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C7 soil 0-6** | Sampled: 3/9/2011 16:20

**Sample ID: 11C0306-10**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 20:57 | JB |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 20:57 | JB |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 20:57 | JB |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 20:57 | JB |
| Aroclor-1248 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 20:57 | JB |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 20:57 | JB |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 20:57 | JB |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 20:57 | JB |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 20:57 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 79.0 | 30-150 | | 3/11/11 20:57 |
| Decachlorobiphenyl [2] | 107 | 30-150 | | 3/11/11 20:57 |
| Tetrachloro-m-xylene [1] | 105 | 30-150 | | 3/11/11 20:57 |
| Tetrachloro-m-xylene [2] | 108 | 30-150 | | 3/11/11 20:57 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg | Sample Description: | Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C7 soil 0-6** | Sampled: 3/9/2011 16:20

**Sample ID: 11C0306-10**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 96.3 | | % Wt | 1 | | SM 2540G | 3/12/11 | 3/12/11 16:52 | PJS |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg

Sample Description:

Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C7 soil 6-12**

Sampled: 3/9/2011 16:15

**Sample ID: 11C0306-11**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:12 | JB |
| Aroclor-1221 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:12 | JB |
| Aroclor-1232 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:12 | JB |
| Aroclor-1242 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:12 | JB |
| Aroclor-1248 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:12 | JB |
| Aroclor-1254 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:12 | JB |
| Aroclor-1260 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:12 | JB |
| Aroclor-1262 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:12 | JB |
| Aroclor-1268 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:12 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 74.1 | 30-150 | | 3/11/11 21:12 |
| Decachlorobiphenyl [2] | 105 | 30-150 | | 3/11/11 21:12 |
| Tetrachloro-m-xylene [1] | 99.8 | 30-150 | | 3/11/11 21:12 |
| Tetrachloro-m-xylene [2] | 102 | 30-150 | | 3/11/11 21:12 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg

Sample Description:

Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C7 soil 6-12**

Sampled: 3/9/2011 16:15

**Sample ID: 11C0306-11**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 88.0 | | % Wt | 1 | | SM 2540G | 3/12/11 | 3/12/11 16:52 | PJS |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg | Sample Description: | Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C7F06** | Sampled: 3/9/2011 17:00

**Sample ID: 11C0306-12**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:30 | JB |
| Aroclor-1221 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:30 | JB |
| Aroclor-1232 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:30 | JB |
| Aroclor-1242 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:30 | JB |
| Aroclor-1248 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:30 | JB |
| Aroclor-1254 [2] | 0.60 | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:30 | JB |
| Aroclor-1260 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:30 | JB |
| Aroclor-1262 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:30 | JB |
| Aroclor-1268 [1] | ND | 0.091 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:30 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 70.4 | 30-150 | | 3/11/11 18:30 |
| Decachlorobiphenyl [2] | 115 | 30-150 | | 3/11/11 18:30 |
| Tetrachloro-m-xylene [1] | 106 | 30-150 | | 3/11/11 18:30 |
| Tetrachloro-m-xylene [2] | 109 | 30-150 | | 3/11/11 18:30 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg | Sample Description: | Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C7F12** | Sampled: 3/9/2011 17:15

**Sample ID: 11C0306-13**

Sample Matrix: Concrete

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:45 | JB |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:45 | JB |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:45 | JB |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:45 | JB |
| Aroclor-1248 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:45 | JB |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:45 | JB |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:45 | JB |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:45 | JB |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 18:45 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 72.0 | 30-150 | | 3/11/11 18:45 |
| Decachlorobiphenyl [2] | 115 | 30-150 | | 3/11/11 18:45 |
| Tetrachloro-m-xylene [1] | 102 | 30-150 | | 3/11/11 18:45 |
| Tetrachloro-m-xylene [2] | 105 | 30-150 | | 3/11/11 18:45 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg

Sample Description:

Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C1+12 soil 0-6**

**Sample ID: 11C0306-14**

Start Date/Time: 12/1/2010 12:00:00AM

Sample Matrix: Soil

Stop Date/Time: 3/9/2011 12:00:00AM

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:27 | JB |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:27 | JB |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:27 | JB |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:27 | JB |
| Aroclor-1248 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:27 | JB |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:27 | JB |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:27 | JB |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:27 | JB |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:27 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 81.1 | 30-150 | | 3/11/11 21:27 |
| Decachlorobiphenyl [2] | 104 | 30-150 | | 3/11/11 21:27 |
| Tetrachloro-m-xylene [1] | 101 | 30-150 | | 3/11/11 21:27 |
| Tetrachloro-m-xylene [2] | 104 | 30-150 | | 3/11/11 21:27 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg

Sample Description:

Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C1+12 soil 0-6**

**Sample ID: 11C0306-14**

Start Date/Time: 12/1/2010 12:00:00AM

Sample Matrix: Soil

Stop Date/Time: 3/9/2011 12:00:00AM

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 99.9 | | % Wt | 1 | | SM 2540G | 3/12/11 | 3/12/11 16:52 | PJS |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg | Sample Description: | Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C3 + 12 soil 0-6**

**Sample ID: 11C0306-15** | Start Date/Time: 12/1/2010 12:00:00AM

Sample Matrix: Soil | Stop Date/Time: 3/9/2011 12:00:00AM

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:41 | JB |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:41 | JB |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:41 | JB |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:41 | JB |
| Aroclor-1248 [2] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:41 | JB |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:41 | JB |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:41 | JB |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:41 | JB |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:41 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 72.7 | 30-150 | | 3/11/11 21:41 |
| Decachlorobiphenyl [2] | 104 | 30-150 | | 3/11/11 21:41 |
| Tetrachloro-m-xylene [1] | 97.7 | 30-150 | | 3/11/11 21:41 |
| Tetrachloro-m-xylene [2] | 102 | 30-150 | | 3/11/11 21:41 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg

Sample Description:

Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C3 + 12 soil 0-6**

**Sample ID: 11C0306-15**

Start Date/Time: 12/1/2010 12:00:00AM

Sample Matrix: Soil

Stop Date/Time: 3/9/2011 12:00:00AM

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 99.7 | | % Wt | 1 | | SM 2540G | 3/12/11 | 3/12/11 16:52 | PJS |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg
Sample Description:
Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C5 + 12 soil 0-6**

**Sample ID: 11C0306-16**
Start Date/Time: 12/1/2010 12:00:00AM

Sample Matrix: Soil
Stop Date/Time: 3/9/2011 12:00:00AM

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:56 | JB |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:56 | JB |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:56 | JB |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:56 | JB |
| Aroclor-1248 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:56 | JB |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:56 | JB |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:56 | JB |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:56 | JB |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 3/10/11 | 3/11/11 21:56 | JB |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 73.7 | 30-150 | | 3/11/11 21:56 |
| Decachlorobiphenyl [2] | 105 | 30-150 | | 3/11/11 21:56 |
| Tetrachloro-m-xylene [1] | 101 | 30-150 | | 3/11/11 21:56 |
| Tetrachloro-m-xylene [2] | 104 | 30-150 | | 3/11/11 21:56 |

con-test® ANALYTICAL LABORATORY

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

Project Location: DCR Gustave Pool Fitchburg | Sample Description: | Work Order: 11C0306

Date Received: 3/10/2011

**Field Sample #: C5 + 12 soil 0-6**

**Sample ID: 11C0306-16** | Start Date/Time: 12/1/2010 12:00:00AM

Sample Matrix: Soil | Stop Date/Time: 3/9/2011 12:00:00AM

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 96.4 | | % Wt | 1 | | SM 2540G | 3/12/11 | 3/12/11 16:52 | PJS |

con-test® ANALYTICAL LABORATORY

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

## Sample Extraction Data

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

| Lab Number [Field ID] | Batch | Date |
|---|---|---|
| 11C0306-10 [C7 soil 0-6] | B027190 | 03/12/11 |
| 11C0306-11 [C7 soil 6-12] | B027190 | 03/12/11 |
| 11C0306-14 [C1+12 soil 0-6] | B027190 | 03/12/11 |
| 11C0306-15 [C3 + 12 soil 0-6] | B027190 | 03/12/11 |
| 11C0306-16 [C5 + 12 soil 0-6] | B027190 | 03/12/11 |

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

| Lab Number [Field ID] | Batch | Initial [g] | Final [mL] | Date |
|---|---|---|---|---|
| 11C0306-01 [C2F06] | B027118 | 2.10 | 10.0 | 03/10/11 |
| 11C0306-02 [C2F12] | B027118 | 2.20 | 10.0 | 03/10/11 |
| 11C0306-03 [C3F12] | B027118 | 2.00 | 10.0 | 03/10/11 |
| 11C0306-04 [C4F06] | B027118 | 2.00 | 10.0 | 03/10/11 |
| 11C0306-05 [C4F12] | B027118 | 2.10 | 10.0 | 03/10/11 |
| 11C0306-06 [C6F06] | B027118 | 2.20 | 10.0 | 03/10/11 |
| 11C0306-07 [C6F12] | B027118 | 2.00 | 10.0 | 03/10/11 |
| 11C0306-08 [C7] | B027118 | 2.00 | 10.0 | 03/10/11 |
| 11C0306-09 [C7 + 12] | B027118 | 2.10 | 10.0 | 03/10/11 |
| 11C0306-12 [C7F06] | B027118 | 2.20 | 10.0 | 03/10/11 |
| 11C0306-13 [C7F12] | B027118 | 2.00 | 10.0 | 03/10/11 |

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

| Lab Number [Field ID] | Batch | Initial [g] | Final [mL] | Date |
|---|---|---|---|---|
| 11C0306-10 [C7 soil 0-6] | B027122 | 10.1 | 50.0 | 03/10/11 |
| 11C0306-11 [C7 soil 6-12] | B027122 | 10.2 | 50.0 | 03/10/11 |
| 11C0306-14 [C1+12 soil 0-6] | B027122 | 10.0 | 50.0 | 03/10/11 |
| 11C0306-15 [C3 + 12 soil 0-6] | B027122 | 10.0 | 50.0 | 03/10/11 |
| 11C0306-16 [C5 + 12 soil 0-6] | B027122 | 10.1 | 50.0 | 03/10/11 |

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

## QUALITY CONTROL

### Polychlorinated Biphenyls By GC/ECD - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B027118 - SW-846 3540C** | | | | | | | | | | |
| **Blank (B027118-BLK1)** | | | | Prepared: 03/10/11 Analyzed: 03/11/11 | | | | | | |
| Aroclor-1016 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1016 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1221 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1221 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1232 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1232 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1242 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1242 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1248 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1248 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1254 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1254 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1260 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1260 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1262 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1262 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1268 | ND | 0.10 | mg/Kg | | | | | | | |
| Aroclor-1268 [2C] | ND | 0.10 | mg/Kg | | | | | | | |
| Surrogate: Decachlorobiphenyl | *0.701* | | mg/Kg | 1.00 | | 70.1 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *1.10* | | mg/Kg | 1.00 | | 110 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.960* | | mg/Kg | 1.00 | | 96.0 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.995* | | mg/Kg | 1.00 | | 99.5 | 30-150 | | | |
| **LCS (B027118-BS1)** | | | | Prepared: 03/10/11 Analyzed: 03/11/11 | | | | | | |
| Aroclor-1016 | 0.26 | 0.10 | mg/Kg | 0.250 | | 103 | 40-140 | | | |
| Aroclor-1016 [2C] | 0.27 | 0.10 | mg/Kg | 0.250 | | 108 | 40-140 | | | |
| Aroclor-1260 | 0.26 | 0.10 | mg/Kg | 0.250 | | 104 | 40-140 | | | |
| Aroclor-1260 [2C] | 0.27 | 0.10 | mg/Kg | 0.250 | | 108 | 40-140 | | | |
| Surrogate: Decachlorobiphenyl | *0.679* | | mg/Kg | 1.00 | | 67.9 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *1.06* | | mg/Kg | 1.00 | | 106 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.923* | | mg/Kg | 1.00 | | 92.3 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.974* | | mg/Kg | 1.00 | | 97.4 | 30-150 | | | |
| **LCS Dup (B027118-BSD1)** | | | | Prepared: 03/10/11 Analyzed: 03/11/11 | | | | | | |
| Aroclor-1016 | 0.26 | 0.10 | mg/Kg | 0.250 | | 104 | 40-140 | 0.853 | 30 | |
| Aroclor-1016 [2C] | 0.27 | 0.10 | mg/Kg | 0.250 | | 108 | 40-140 | 0.179 | 30 | |
| Aroclor-1260 | 0.25 | 0.10 | mg/Kg | 0.250 | | 101 | 40-140 | 2.63 | 30 | |
| Aroclor-1260 [2C] | 0.27 | 0.10 | mg/Kg | 0.250 | | 109 | 40-140 | 1.03 | 30 | |
| Surrogate: Decachlorobiphenyl | *0.672* | | mg/Kg | 1.00 | | 67.2 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *1.05* | | mg/Kg | 1.00 | | 105 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.911* | | mg/Kg | 1.00 | | 91.1 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.946* | | mg/Kg | 1.00 | | 94.6 | 30-150 | | | |

con-test® ANALYTICAL LABORATORY

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

## QUALITY CONTROL

### Polychlorinated Biphenyls By GC/ECD - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B027122 - SW-846 3540C** | | | | | | | | | | |
| **Blank (B027122-BLK1)** | | | | Prepared: 03/10/11 Analyzed: 03/11/11 | | | | | | |
| Aroclor-1016 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1016 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1221 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1221 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1232 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1232 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1242 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1242 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1248 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1248 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1254 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1254 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1260 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1260 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1262 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1262 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1268 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1268 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Surrogate: Decachlorobiphenyl | *0.141* | | mg/Kg wet | 0.200 | | 70.3 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.202* | | mg/Kg wet | 0.200 | | 101 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.200* | | mg/Kg wet | 0.200 | | 99.8 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.203* | | mg/Kg wet | 0.200 | | 101 | 30-150 | | | |
| **LCS (B027122-BS1)** | | | | Prepared: 03/10/11 Analyzed: 03/11/11 | | | | | | |
| Aroclor-1016 | 0.21 | 0.10 | mg/Kg wet | 0.200 | | 106 | 40-140 | | | |
| Aroclor-1016 [2C] | 0.22 | 0.10 | mg/Kg wet | 0.200 | | 112 | 40-140 | | | |
| Aroclor-1260 | 0.21 | 0.10 | mg/Kg wet | 0.200 | | 103 | 40-140 | | | |
| Aroclor-1260 [2C] | 0.22 | 0.10 | mg/Kg wet | 0.200 | | 110 | 40-140 | | | |
| Surrogate: Decachlorobiphenyl | *0.156* | | mg/Kg wet | 0.200 | | 78.0 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.200* | | mg/Kg wet | 0.200 | | 100 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.187* | | mg/Kg wet | 0.200 | | 93.6 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.192* | | mg/Kg wet | 0.200 | | 95.8 | 30-150 | | | |
| **LCS Dup (B027122-BSD1)** | | | | Prepared: 03/10/11 Analyzed: 03/11/11 | | | | | | |
| Aroclor-1016 | 0.22 | 0.10 | mg/Kg wet | 0.200 | | 112 | 40-140 | 5.41 | 30 | |
| Aroclor-1016 [2C] | 0.24 | 0.10 | mg/Kg wet | 0.200 | | 118 | 40-140 | 5.66 | 30 | |
| Aroclor-1260 | 0.22 | 0.10 | mg/Kg wet | 0.200 | | 110 | 40-140 | 6.27 | 30 | |
| Aroclor-1260 [2C] | 0.23 | 0.10 | mg/Kg wet | 0.200 | | 116 | 40-140 | 5.27 | 30 | |
| Surrogate: Decachlorobiphenyl | *0.153* | | mg/Kg wet | 0.200 | | 76.6 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.209* | | mg/Kg wet | 0.200 | | 104 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.196* | | mg/Kg wet | 0.200 | | 98.0 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.200* | | mg/Kg wet | 0.200 | | 100 | 30-150 | | | |

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## QUALITY CONTROL

### Polychlorinated Biphenyls By GC/ECD - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B027122 - SW-846 3540C** | | | | | | | | | | |
| **Matrix Spike (B027122-MS1)** | | **Source: 11C0306-10** | | Prepared: 03/10/11 | Analyzed: 03/11/11 | | | | | |
| Aroclor-1016 | 0.26 | 0.10 | mg/Kg dry | 0.208 | 0.0 | 123 | 40-140 | | | |
| Aroclor-1016 [2C] | 0.28 | 0.10 | mg/Kg dry | 0.208 | 0.0 | 135 | 40-140 | | | |
| Aroclor-1260 | 0.24 | 0.10 | mg/Kg dry | 0.208 | 0.0 | 117 | 40-140 | | | |
| Aroclor-1260 [2C] | 0.24 | 0.10 | mg/Kg dry | 0.208 | 0.0 | 115 | 40-140 | | | |
| Surrogate: Decachlorobiphenyl | *0.152* | | mg/Kg dry | 0.208 | | 73.0 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.214* | | mg/Kg dry | 0.208 | | 103 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.212* | | mg/Kg dry | 0.208 | | 102 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.217* | | mg/Kg dry | 0.208 | | 105 | 30-150 | | | |
| **Matrix Spike Dup (B027122-MSD1)** | | **Source: 11C0306-10** | | Prepared: 03/10/11 | Analyzed: 03/11/11 | | | | | |
| Aroclor-1016 | 0.27 | 0.10 | mg/Kg dry | 0.208 | 0.0 | 128 | 40-140 | 4.02 | 50 | |
| Aroclor-1016 [2C] | 0.26 | 0.10 | mg/Kg dry | 0.208 | 0.0 | 124 | 40-140 | 8.62 | 50 | |
| Aroclor-1260 | 0.25 | 0.10 | mg/Kg dry | 0.208 | 0.0 | 121 | 40-140 | 2.83 | 50 | |
| Aroclor-1260 [2C] | 0.25 | 0.10 | mg/Kg dry | 0.208 | 0.0 | 118 | 40-140 | 2.57 | 50 | |
| Surrogate: Decachlorobiphenyl | *0.154* | | mg/Kg dry | 0.208 | | 74.2 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.219* | | mg/Kg dry | 0.208 | | 106 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.210* | | mg/Kg dry | 0.208 | | 101 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.216* | | mg/Kg dry | 0.208 | | 104 | 30-150 | | | |

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**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.

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## CERTIFICATIONS

**Certified Analyses included in this Report**

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

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

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

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Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

# CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

11C0306

Company Name: Yee Consulting Group Inc
Address: 378 Page St Unit 140
Stoughton MA 02072
Attention:
Project Location: DCR Gustave Peel Fitchburg
Sampled By: Rockey Chan

Telephone: 781-344-3556
Project # 781-344-9525
Client PO#

DATA DELIVERY (check all that apply)
O FAX ◉ EMAIL O WEBSITE
Fax # 781-344-9525
Email: ycgi1994@aol.com
Format: ◉ PDF O EXCEL O GIS
O OTHER
O "Enhanced Data Package"

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

ANALYSIS REQUESTED: SW 846-8082 Soxlet

| Con-Test Lab ID (laboratory use only) | Client Sample ID / Description | Collection Beginning Date/Time | Collection Ending Date/Time | Composite | Grab | *Matrix Code | Conc Code | SW 846-8082 Soxlet | 10 | A |
|---|---|---|---|---|---|---|---|---|---|---|
| -01 | C2F06 | 3/9/11 | 1520 | | ✓ | S | | ✓ | | |
| -02 | C2F12 | 3/9/11 | 1530 | | ✓ | S | | ✓ | | |
| -03 | C3F12 | 3/9/11 | 1540 | | ✓ | S | | ✓ | | |
| -04 | C4F06 | 3/9/11 | 1545 | | ✓ | S | | ✓ | | |
| -05 | C4F12 | 3/9/11 | 1550 | | ✓ | S | | ✓ | | |
| -06 | C6F06 | 3/9/11 | 1600 | | ✓ | S | | ✓ | | |
| -07 | C6F12 | 3/9/11 | 1610 | | ✓ | S | | ✓ | | |
| -08 | C7 | 3/9/11 | 1635 | | ✓ | S | | ✓ | | |
| -09 | C7+12 | 3/9/11 | 1645 | | ✓ | S | | ✓ | | |
| -10 | C7 Soil 0-6 | 3/9/11 | 1620 | | ✓ | S | | ✓ | | |

Comments:

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

| Relinquished by: (signature) | Date/Time: |
|---|---|
| Rockey Chan | 3/10/11 1400 |
| Received by: (signature) | Date/Time: |
| [illegible] | 3-10-11 1900 |
| Relinquished by: (signature) | Date/Time: |
| [illegible] | 3-10-11 1935 |
| Received by: (signature) | Date/Time: |
| [illegible] | 3/10/11 1935 |

**Turnaround ††**
☐ 7-Day
☐ 10-Day
☒ Other 5day
**RUSH †**
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

**Detection Limit Requirements**
Massachusetts:
Connecticut:
Other:

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

NELAC & AIHA Certified
WBE/DBE Certified

# of Contain
** Preservat
***Container Code

Dissolved Metals
O Field Filtered
O Lab to Filter

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

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

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

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

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# CHAIN OF CUSTODY RECORD

11C0306

39 Spruce Street
East longmeadow, MA 01028



Company Name: Jee Consulting Group Inc.
Address: 378 Page St. Unit D
Stoughton MA 02072
Attention:
Project Location: DCR Gustave Pool Fitchburg
Sampled By: Rocky Chen

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

Telephone: 781 344 3556
Project # 781 344 9525
Client PO#

DATA DELIVERY (check all that apply)
○ FAX ◉ EMAIL ○ WEBSITE
Fax # 781 344 9525
Email: jcgi1994@aol.com
Format: ◉ PDF ○ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

ANALYSIS REQUESTED

| Con-Test Lab ID (laboratory use only) | Client Sample ID / Description | Collection Beginning Date/Time | Collection Ending Date/Time | Composite | Grab | *Matrix Code | Conc Code | 6 | 4 | SW-846-8082 Soxhlet | | | | | | | | | | | # of Containers | ** Preservation | ***Container Code |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -11 | C7 Soil 6-12 | 3/9/11 | 1615 | | ✓ | S | | | | ✓ | | | | | | | | | | | | | |
| -12 | C7F06 | 3/9/11 | 1700 | | ✓ | S | | | | ✓ | | | | | | | | | | | | | |
| -13 | C7F12 | 3/9/11 | 1715 | | ✓ | S | | | | ✓ | | | | | | | | | | | | | |
| -14 | C1+12 Soil 0"-6 | | 12/1/10 * | | ✓ | S | | | | ✓ | | | | | | | | | | | | | |
| -15 | C3+12 Soil 0"-6" | | 12/1/10 * | | ✓ | S | | | | ✓ | | | | | | | | | | | | | |
| -16 | C5+12 Soil 0"-6 | | 12/1/10 * | | ✓ | S | | | | ✓ | | | | | | | | | | | | | |

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:

* Date taken from sample container. CAB 3/10/11

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

| Relinquished by: (signature) | Date/Time: |
|---|---|
| Rocky Chen | 3/10/11 1400 |
| Received by: (signature) | Date/Time: |
| [illegible] | 3-10-11 1400 |
| Relinquished by: (signature) | Date/Time: |
| [illegible] | 3-10-11 1935 |
| Received by: (signature) | Date/Time: |
| [illegible] | 3/10/11 1935 |

**Turnaround** ††
☐ 7-Day
☐ 10-Day
☒ Other 5 day

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

**Detection Limit Requirements**
Massachusetts: _____
Connecticut: _____
Other: _____

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

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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East Longmeadow, MA 01028
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F: 413-525-6405
www.contestlabs.com

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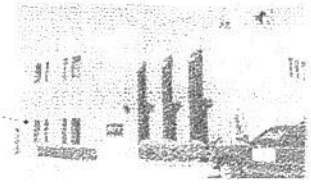

# Sample Receipt Checklist

CLIENT NAME: Yee Consulting Group Inc RECEIVED BY: GB DATE: 3/10/11

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank: 5.0°C Temperature °C by Temp gun: _____

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

Who was notified _____ Date _____ Time _____

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

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

Who was notified _____ Date _____ Time _____

8) Location where samples are stored: 19

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

## Containers received at Con-Test

| | # of containers | | | # of containers |
|---|---|---|---|---|
| 1 Liter Amber | 3 (C7 0-6, C7 F12, C7 6-12) | | 8 oz amber/clear jar | 13 |
| 500 mL Amber | | | 4 oz amber/clear jar | |
| 250 mL Amber (8oz amber) | | | 2 oz amber/clear jar | |
| 1 Liter Plastic | | | Other glass jar | |
| 500 mL Plastic | | | Plastic Bag / Ziploc | |
| 250 mL plastic | | | Air Cassette | |
| 40 mL Vial - type listed below | | | SOC Kit | |
| Colisure / bacteria bottle | | | Tubes | |
| Dissolved Oxygen bottle | | | Non-ConTest Container | |
| Flashpoint bottle | | | Other | |
| Encore | | | PM 2.5 / PM 10 | |
| Perchlorate Kit | | | PUF Cartridge | |

Laboratory Comments:

40 mL vials: # HCl _____ # Methanol _____

# Bisulfate _____ # DI Water _____

# Thiosulfate _____ Unpreserved _____

Time and Date Frozen:

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

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

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June 15, 2011

Jesse Krawiec
Resource Control Associates - RI
474 Broadway
Pawtucket, RI 02860

Project Location: 7002 DCR Fitchburg
Client Job Number:
Project Number: A7002
Laboratory Work Order Number: 11F0269

Enclosed are results of analyses for samples received by the laboratory on June 8, 2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Holly L. Folsom

Holly L. Folsom
Project Manager

con-test®
ANALYTICAL LABORATORY

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

Resource Control Associates - RI
474 Broadway
Pawtucket, RI 02860
ATTN: Jesse Krawiec

REPORT DATE: 6/15/2011

PURCHASE ORDER NUMBER:

PROJECT NUMBER: A7002

**ANALYTICAL SUMMARY**

WORK ORDER NUMBER: 11F0269

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

PROJECT LOCATION: 7002 DCR Fitchburg

| FIELD SAMPLE # | LAB ID: | MATRIX | SAMPLE DESCRIPTION | TEST | SUB LAB |
|---|---|---|---|---|---|
| 1 | 11F0269-01 | Soil | | SM 2540G | |
| | | | | SW-846 8082 | |
| 2 | 11F0269-02 | Soil | | SM 2540G | |
| | | | | SW-846 8082 | |
| 3 | 11F0269-03 | Soil | | SM 2540G | |
| | | | | SW-846 8082 | |
| 4 | 11F0269-04 | Soil | | SM 2540G | |
| | | | | SW-846 8082 | |
| 5 | 11F0269-05 | Soil | | SM 2540G | |
| | | | | SW-846 8082 | |
| 6 | 11F0269-06 | Soil | | SM 2540G | |
| | | | | SW-846 8082 | |

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**CASE NARRATIVE SUMMARY**

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

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

Daren J. Damboragian
Laboratory Manager

con-test® ANALYTICAL LABORATORY

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

Project Location: 7002 DCR Fitchburg

Sample Description:

Work Order: 11F0269

Date Received: 6/8/2011

**Field Sample #: 1**

Sampled: 6/7/2011 09:50

**Sample ID: 11F0269-01**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 14:57 | PJG |
| Aroclor-1221 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 14:57 | PJG |
| Aroclor-1232 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 14:57 | PJG |
| Aroclor-1242 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 14:57 | PJG |
| Aroclor-1248 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 14:57 | PJG |
| Aroclor-1254 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 14:57 | PJG |
| Aroclor-1260 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 14:57 | PJG |
| Aroclor-1262 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 14:57 | PJG |
| Aroclor-1268 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 14:57 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 87.2 | 30-150 | | 6/11/11 14:57 |
| Decachlorobiphenyl [2] | 89.0 | 30-150 | | 6/11/11 14:57 |
| Tetrachloro-m-xylene [1] | 125 | 30-150 | | 6/11/11 14:57 |
| Tetrachloro-m-xylene [2] | 137 | 30-150 | | 6/11/11 14:57 |

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Project Location: 7002 DCR Fitchburg

Sample Description:

Work Order: 11F0269

Date Received: 6/8/2011

**Field Sample #: 1**

Sampled: 6/7/2011 09:50

**Sample ID: 11F0269-01**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 90.2 | | % Wt | 1 | | SM 2540G | 6/10/11 | 6/11/11 11:58 | MXG |

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Project Location: 7002 DCR Fitchburg

Sample Description:

Work Order: 11F0269

Date Received: 6/8/2011

**Field Sample #: 2**

Sampled: 6/7/2011 10:05

**Sample ID: 11F0269-02**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:13 | PJG |
| Aroclor-1221 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:13 | PJG |
| Aroclor-1232 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:13 | PJG |
| Aroclor-1242 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:13 | PJG |
| Aroclor-1248 [1] | 0.24 | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:13 | PJG |
| Aroclor-1254 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:13 | PJG |
| Aroclor-1260 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:13 | PJG |
| Aroclor-1262 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:13 | PJG |
| Aroclor-1268 [1] | ND | 0.10 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:13 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 106 | 30-150 | | 6/11/11 15:13 |
| Decachlorobiphenyl [2] | 104 | 30-150 | | 6/11/11 15:13 |
| Tetrachloro-m-xylene [1] | 119 | 30-150 | | 6/11/11 15:13 |
| Tetrachloro-m-xylene [2] | 131 | 30-150 | | 6/11/11 15:13 |

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Project Location: 7002 DCR Fitchburg
Sample Description:
Work Order: 11F0269

Date Received: 6/8/2011

**Field Sample #: 2**
Sampled: 6/7/2011 10:05

**Sample ID: 11F0269-02**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 93.1 | | % Wt | 1 | | SM 2540G | 6/10/11 | 6/11/11 11:58 | MXG |

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Project Location: 7002 DCR Fitchburg | Sample Description: | Work Order: 11F0269

Date Received: 6/8/2011

**Field Sample #: 3** | Sampled: 6/7/2011 10:15

**Sample ID: 11F0269-03**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:28 | PJG |
| Aroclor-1221 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:28 | PJG |
| Aroclor-1232 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:28 | PJG |
| Aroclor-1242 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:28 | PJG |
| Aroclor-1248 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:28 | PJG |
| Aroclor-1254 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:28 | PJG |
| Aroclor-1260 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:28 | PJG |
| Aroclor-1262 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:28 | PJG |
| Aroclor-1268 [1] | ND | 0.11 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:28 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 86.3 | 30-150 | | 6/11/11 15:28 |
| Decachlorobiphenyl [2] | 85.8 | 30-150 | | 6/11/11 15:28 |
| Tetrachloro-m-xylene [1] | 129 | 30-150 | | 6/11/11 15:28 |
| Tetrachloro-m-xylene [2] | 143 | 30-150 | | 6/11/11 15:28 |

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Project Location: 7002 DCR Fitchburg

Sample Description:

Work Order: 11F0269

Date Received: 6/8/2011

**Field Sample #: 3**

Sampled: 6/7/2011 10:15

**Sample ID: 11F0269-03**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 91.3 | | % Wt | 1 | | SM 2540G | 6/10/11 | 6/11/11 11:58 | MXG |

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Project Location: 7002 DCR Fitchburg

Sample Description:

Work Order: 11F0269

Date Received: 6/8/2011

**Field Sample #: 4**

Sampled: 6/7/2011 10:25

**Sample ID: 11F0269-04**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:44 | PJG |
| Aroclor-1221 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:44 | PJG |
| Aroclor-1232 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:44 | PJG |
| Aroclor-1242 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:44 | PJG |
| Aroclor-1248 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:44 | PJG |
| Aroclor-1254 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:44 | PJG |
| Aroclor-1260 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:44 | PJG |
| Aroclor-1262 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:44 | PJG |
| Aroclor-1268 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:44 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 75.5 | 30-150 | | 6/11/11 15:44 |
| Decachlorobiphenyl [2] | 76.7 | 30-150 | | 6/11/11 15:44 |
| Tetrachloro-m-xylene [1] | 126 | 30-150 | | 6/11/11 15:44 |
| Tetrachloro-m-xylene [2] | 139 | 30-150 | | 6/11/11 15:44 |

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Project Location: 7002 DCR Fitchburg | Sample Description: | Work Order: 11F0269

Date Received: 6/8/2011

**Field Sample #: 4** | Sampled: 6/7/2011 10:25

**Sample ID: 11F0269-04**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 84.4 | | % Wt | 1 | | SM 2540G | 6/10/11 | 6/11/11 11:58 | MXG |

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ject Location: 7002 DCR Fitchburg | Sample Description: | Work Order: 11F0269

ate Received: 6/8/2011

ield Sample #: 5 | Sampled: 6/7/2011 10:35

nple ID: 11F0269-05

nple Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| roclor-1016 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:59 | PJG |
| clor-1221 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:59 | PJG |
| clor-1232 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:59 | PJG |
| roclor-1242 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:59 | PJG |
| clor-1248 [1] | 0.30 | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:59 | PJG |
| clor-1254 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:59 | PJG |
| roclor-1260 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:59 | PJG |
| clor-1262 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:59 | PJG |
| clor-1268 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 15:59 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| achlorobiphenyl [1] | 84.5 | 30-150 | | 6/11/11 15:59 |
| achlorobiphenyl [2] | 85.6 | 30-150 | | 6/11/11 15:59 |
| Tetrachloro-m-xylene [1] | 120 | 30-150 | | 6/11/11 15:59 |
| Tetrachloro-m-xylene [2] | 133 | 30-150 | | 6/11/11 15:59 |

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Project Location: 7002 DCR Fitchburg

Sample Description:

Work Order: 11F0269

Date Received: 6/8/2011

**Field Sample #: 5**

Sampled: 6/7/2011 10:35

**Sample ID: 11F0269-05**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 85.1 | | % Wt | 1 | | SM 2540G | 6/10/11 | 6/11/11 11:58 | MXG |

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Project Location: 7002 DCR Fitchburg | Sample Description: | Work Order: 11F0269

Date Received: 6/8/2011

**Field Sample #: 6** | Sampled: 6/7/2011 10:45

**Sample ID: 11F0269-06**

Sample Matrix: Soil

**Polychlorinated Biphenyls By GC/ECD**

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| Aroclor-1016 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 16:15 | PJG |
| Aroclor-1221 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 16:15 | PJG |
| Aroclor-1232 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 16:15 | PJG |
| Aroclor-1242 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 16:15 | PJG |
| Aroclor-1248 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 16:15 | PJG |
| Aroclor-1254 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 16:15 | PJG |
| Aroclor-1260 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 16:15 | PJG |
| Aroclor-1262 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 16:15 | PJG |
| Aroclor-1268 [1] | ND | 0.12 | mg/Kg dry | 1 | | SW-846 8082 | 6/8/11 | 6/11/11 16:15 | PJG |

| Surrogates | % Recovery | Recovery Limits | Flag | |
|---|---|---|---|---|
| Decachlorobiphenyl [1] | 73.0 | 30-150 | | 6/11/11 16:15 |
| Decachlorobiphenyl [2] | 74.0 | 30-150 | | 6/11/11 16:15 |
| Tetrachloro-m-xylene [1] | 122 | 30-150 | | 6/11/11 16:15 |
| Tetrachloro-m-xylene [2] | 135 | 30-150 | | 6/11/11 16:15 |

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Project Location: 7002 DCR Fitchburg

Sample Description:

Work Order: 11F0269

Date Received: 6/8/2011

**Field Sample #: 6**

Sampled: 6/7/2011 10:45

**Sample ID: 11F0269-06**

Sample Matrix: Soil

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

| Analyte | Results | RL | Units | Dilution | Flag | Method | Date Prepared | Date/Time Analyzed | Analyst |
|---|---|---|---|---|---|---|---|---|---|
| % Solids | 85.6 | | % Wt | 1 | | SM 2540G | 6/10/11 | 6/11/11 11:58 | MXG |

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# Sample Extraction Data

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

| Lab Number [Field ID] | Batch | Date |
|---|---|---|
| 11F0269-01 [1] | B031836 | 06/10/11 |
| 11F0269-02 [2] | B031836 | 06/10/11 |
| 11F0269-03 [3] | B031836 | 06/10/11 |
| 11F0269-04 [4] | B031836 | 06/10/11 |
| 11F0269-05 [5] | B031836 | 06/10/11 |
| 11F0269-06 [6] | B031836 | 06/10/11 |

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

| Lab Number [Field ID] | Batch | Initial [g] | Final [mL] | Date |
|---|---|---|---|---|
| 11F0269-01 [1] | B031732 | 10.0 | 50.0 | 06/08/11 |
| 11F0269-02 [2] | B031732 | 10.3 | 50.0 | 06/08/11 |
| 11F0269-03 [3] | B031732 | 10.2 | 50.0 | 06/08/11 |
| 11F0269-04 [4] | B031732 | 10.0 | 50.0 | 06/08/11 |
| 11F0269-05 [5] | B031732 | 10.2 | 50.0 | 06/08/11 |
| 11F0269-06 [6] | B031732 | 10.1 | 50.0 | 06/08/11 |

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## QUALITY CONTROL

### Polychlorinated Biphenyls By GC/ECD - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B031732 - SW-846 3540C** | | | | | | | | | | |
| **Blank (B031732-BLK1)** | | | | Prepared: 06/08/11 Analyzed: 06/11/11 | | | | | | |
| Aroclor-1016 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1016 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1221 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1221 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1232 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1232 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1242 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1242 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1248 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1248 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1254 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1254 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1260 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1260 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1262 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1262 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1268 | ND | 0.10 | mg/Kg wet | | | | | | | |
| Aroclor-1268 [2C] | ND | 0.10 | mg/Kg wet | | | | | | | |
| Surrogate: Decachlorobiphenyl | *0.136* | | mg/Kg wet | 0.200 | | 67.8 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.127* | | mg/Kg wet | 0.200 | | 63.3 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.226* | | mg/Kg wet | 0.200 | | 113 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.234* | | mg/Kg wet | 0.200 | | 117 | 30-150 | | | |
| **LCS (B031732-BS1)** | | | | Prepared: 06/08/11 Analyzed: 06/11/11 | | | | | | |
| Aroclor-1016 | 0.15 | 0.10 | mg/Kg wet | 0.200 | | 72.9 | 40-140 | | | |
| Aroclor-1016 [2C] | 0.17 | 0.10 | mg/Kg wet | 0.200 | | 83.0 | 40-140 | | | |
| Aroclor-1260 | 0.15 | 0.10 | mg/Kg wet | 0.200 | | 75.8 | 40-140 | | | |
| Aroclor-1260 [2C] | 0.20 | 0.10 | mg/Kg wet | 0.200 | | 101 | 40-140 | | | |
| Surrogate: Decachlorobiphenyl | *0.155* | | mg/Kg wet | 0.200 | | 77.6 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.150* | | mg/Kg wet | 0.200 | | 74.8 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.185* | | mg/Kg wet | 0.200 | | 92.4 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.193* | | mg/Kg wet | 0.200 | | 96.5 | 30-150 | | | |
| **LCS Dup (B031732-BSD1)** | | | | Prepared: 06/08/11 Analyzed: 06/11/11 | | | | | | |
| Aroclor-1016 | 0.19 | 0.10 | mg/Kg wet | 0.200 | | 94.9 | 40-140 | 26.2 | 30 | |
| Aroclor-1016 [2C] | 0.21 | 0.10 | mg/Kg wet | 0.200 | | 104 | 40-140 | 22.2 | 30 | |
| Aroclor-1260 | 0.17 | 0.10 | mg/Kg wet | 0.200 | | 85.5 | 40-140 | 12.0 | 30 | |
| Aroclor-1260 [2C] | 0.17 | 0.10 | mg/Kg wet | 0.200 | | 84.7 | 40-140 | 17.8 | 30 | |
| Surrogate: Decachlorobiphenyl | *0.157* | | mg/Kg wet | 0.200 | | 78.7 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.147* | | mg/Kg wet | 0.200 | | 73.6 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.233* | | mg/Kg wet | 0.200 | | 116 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.238* | | mg/Kg wet | 0.200 | | 119 | 30-150 | | | |

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## QUALITY CONTROL

### Polychlorinated Biphenyls By GC/ECD - Quality Control

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B031732 - SW-846 3540C** | | | | | | | | | | |
| **Matrix Spike (B031732-MS1)** | | **Source: 11F0269-01** | | Prepared: 06/08/11 | Analyzed: 06/11/11 | | | | | |
| Aroclor-1016 | 0.27 | 0.11 | mg/Kg dry | 0.222 | 0.0 | 122 | 40-140 | | | |
| Aroclor-1016 [2C] | 0.30 | 0.11 | mg/Kg dry | 0.222 | 0.0 | 137 | 40-140 | | | |
| Aroclor-1260 | 0.25 | 0.11 | mg/Kg dry | 0.222 | 0.0 | 111 | 40-140 | | | |
| Aroclor-1260 [2C] | 0.26 | 0.11 | mg/Kg dry | 0.222 | 0.0 | 116 | 40-140 | | | |
| Surrogate: Decachlorobiphenyl | *0.222* | | mg/Kg dry | 0.222 | | 100 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.183* | | mg/Kg dry | 0.222 | | 82.5 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.279* | | mg/Kg dry | 0.222 | | 126 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.282* | | mg/Kg dry | 0.222 | | 127 | 30-150 | | | |
| **Matrix Spike Dup (B031732-MSD1)** | | **Source: 11F0269-01** | | Prepared: 06/08/11 | Analyzed: 06/11/11 | | | | | |
| Aroclor-1016 | 0.28 | 0.11 | mg/Kg dry | 0.220 | 0.0 | 126 | 40-140 | 2.54 | 50 | |
| Aroclor-1016 [2C] | 0.28 | 0.11 | mg/Kg dry | 0.220 | 0.0 | 127 | 40-140 | 8.04 | 50 | |
| Aroclor-1260 | 0.23 | 0.11 | mg/Kg dry | 0.220 | 0.0 | 104 | 40-140 | 7.98 | 50 | |
| Aroclor-1260 [2C] | 0.22 | 0.11 | mg/Kg dry | 0.220 | 0.0 | 98.1 | 40-140 | 17.3 | 50 | |
| Surrogate: Decachlorobiphenyl | *0.180* | | mg/Kg dry | 0.220 | | 81.9 | 30-150 | | | |
| Surrogate: Decachlorobiphenyl [2C] | *0.164* | | mg/Kg dry | 0.220 | | 74.6 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene | *0.265* | | mg/Kg dry | 0.220 | | 121 | 30-150 | | | |
| Surrogate: Tetrachloro-m-xylene [2C] | *0.269* | | mg/Kg dry | 0.220 | | 123 | 30-150 | | | |

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## QUALITY CONTROL

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

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---|---|---|---|---|---|---|---|---|---|---|
| **Batch B031836 - % Solids** | | | | | | | | | | |
| **Duplicate (B031836-DUP8)** | | **Source: 11F0269-04** | | Prepared: 06/10/11 Analyzed: 06/11/11 | | | | | | |
| % Solids | 83.8 | | % Wt | | 84.4 | | | 0.713 | 20 | |

con-test®
ANALYTICAL LABORATORY

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**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.

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## CERTIFICATIONS

**Certified Analyses included in this Report**

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

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

| Code | Description | Number | Expires |
|---|---|---|---|
| AIHA | American Industrial Hygiene Association | 100033 | 01/1/2012 |
| MA | Massachusetts DEP | M-MA100 | 06/30/2011 |
| CT | Connecticut Department of Publilc Health | PH-0567 | 09/30/2011 |
| NY | New York State Department of Health | 10899 NELAP | 04/1/2012 |
| NH | New Hampshire Environmental Lab | 2516 NELAP | 02/5/2012 |
| RI | Rhode Island Department of Health | LAO00112 | 12/30/2011 |
| NC | North Carolina Div. of Water Quality | 652 | 12/31/2011 |
| NJ | New Jersey DEP | MA007 NELAP | 06/30/2012 |
| FL | Florida Department of Health | E871027 NELAP | 06/30/2011 |
| VT | Vermont Department of Health Lead Laboratory | LL015036 | 07/30/2011 |
| WA | State of Washington Department of Ecology | C2065 | 02/23/2012 |
| ME | State of Maine | 2011028 | 06/9/2013 |