



United States Environmental Protection Agency  
Office of Environmental Measurement & Evaluation  
11 Technology Drive  
North Chelmsford, MA 01863-2431

Laboratory Report

May 15, 2009

Cathy Young (HBR)  
USEPA New England, Region 1  
One Congress Street  
Boston, MA. 01224-2023

Project Number: 09040021  
Project: St John's Cemetery  
Analysis: PCBs Medium Level in Soils and Sediments  
Analyst: Paul Carroll

*Carroll*  
*5.15.09*

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, PESTSOIL2.SOP.

The analysis was performed using high resolution capillary column chromatography on an Agilent 6890 Series gas chromatograph equipped with dual electron capture detectors. The 30 meter dual capillary column system consists of a J&W DB-5 and J&W DB-1701, both with 0.25mm ID and 0.25 micron film thickness.

Date Samples Received by the Laboratory: 04/20/2009

The results are reported on a dry weight basis.

Data were reviewed in accordance with the internal verification procedures described in the EPA New England OEME Chemistry QA Plan.

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

Report may contain multiple sections and each section will be numbered independently.

If you have any questions please call me at 617-918-8340 .

Sincerely,

*Daniel N. Boudreau* 5/18/09  
Daniel N. Boudreau  
Chemistry Team Leader

<b>Qualifiers:</b>	<b>RL</b>	Reporting limit
	<b>ND</b>	Not Detected above Reporting limit
	<b>NA</b>	Not Applicable due to high sample dilutions or sample interferences
	<b>J</b>	Estimated value
	<b>E</b>	Estimated value exceeds the calibration range
	<b>L</b>	Estimated value is below the calibration range
	<b>B</b>	Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 10 times the concentration in the blank.
	<b>P</b>	The confirmation value exceeded 35% difference and is less than 100%. The lower value is reported.
	<b>C</b>	The identification has been confirmed by GC/MS.
	<b>R</b>	No recovery was calculated since the analyte concentration is greater than four times the spike level.

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St John's Cemetery

PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0402  
Date of Collection: 4/13/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 4.93 grams  
Wet Weight Extracted: 5.85 grams

Lab Sample ID: AA92747  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 84%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	80	36 - 131
Decachlorobiphenyl	89	30 - 165

Comments:

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St John's Cemetery

PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0403  
Date of Collection: 4/14/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 5.29 grams  
Wet Weight Extracted: 6.12 grams

Lab Sample ID: AA92748  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 86%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	ND	0.09	
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	ND	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
11100-14-4	Aroclor-1262	ND	0.09	
37324-23-5	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	78	36 - 131
Decachlorobiphenyl	90	30 - 165

Comments:

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PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0404  
Date of Collection: 4/14/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 4.46 grams  
Wet Weight Extracted: 5.60 grams

Lab Sample ID: AA92749  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 80%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.11	
11104-28-2	Aroclor-1221	ND	0.11	
11141-16-5	Aroclor-1232	ND	0.11	
53469-21-9	Aroclor-1242	ND	0.11	
12672-29-6	Aroclor-1248	ND	0.11	
11097-69-1	Aroclor-1254	ND	0.11	
11096-82-5	Aroclor-1260	ND	0.11	
11100-14-4	Aroclor-1262	ND	0.11	
37324-23-5	Aroclor-1268	ND	0.11	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	80	36 - 131
Decachlorobiphenyl	91	30 - 165

Comments:

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PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0405  
Date of Collection: 4/14/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 4.34 grams  
Wet Weight Extracted: 5.63 grams

Lab Sample ID: AA92750  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 77%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.12	
11104-28-2	Aroclor-1221	ND	0.12	
11141-16-5	Aroclor-1232	ND	0.12	
53469-21-9	Aroclor-1242	ND	0.12	
12672-29-6	Aroclor-1248	ND	0.12	
11097-69-1	Aroclor-1254	ND	0.12	
11096-82-5	Aroclor-1260	ND	0.12	
11100-14-4	Aroclor-1262	ND	0.12	
37324-23-5	Aroclor-1268	ND	0.12	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	85	36 - 131
Decachlorobiphenyl	94	30 - 165

Comments:

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PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0406  
Date of Collection: 4/14/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 4.16 grams  
Wet Weight Extracted: 5.63 grams

Lab Sample ID: AA92751  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 74%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.12	
11104-28-2	Aroclor-1221	ND	0.12	
11141-16-5	Aroclor-1232	ND	0.12	
53469-21-9	Aroclor-1242	ND	0.12	
12672-29-6	Aroclor-1248	ND	0.12	
11097-69-1	Aroclor-1254	ND	0.12	
11096-82-5	Aroclor-1260	ND	0.12	
11100-14-4	Aroclor-1262	ND	0.12	
37324-23-5	Aroclor-1268	ND	0.12	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	81	36 - 131
Decachlorobiphenyl	91	30 - 165

Comments:

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PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0407  
Date of Collection: 4/13/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 4.72 grams  
Wet Weight Extracted: 5.76 grams

Lab Sample ID: AA92752  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 82%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.11	
11104-28-2	Aroclor-1221	ND	0.11	
11141-16-5	Aroclor-1232	ND	0.11	
53469-21-9	Aroclor-1242	ND	0.11	
12672-29-6	Aroclor-1248	ND	0.11	
11097-69-1	Aroclor-1254	ND	0.11	
11096-82-5	Aroclor-1260	ND	0.11	
11100-14-4	Aroclor-1262	ND	0.11	
37324-23-5	Aroclor-1268	ND	0.11	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	78	36 - 131
Decachlorobiphenyl	91	30 - 165

Comments:



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PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0408  
Date of Collection: 4/13/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 4.71 grams  
Wet Weight Extracted: 5.80 grams

Lab Sample ID: AA92753  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 81%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.11	
11104-28-2	Aroclor-1221	ND	0.11	
11141-16-5	Aroclor-1232	ND	0.11	
53469-21-9	Aroclor-1242	ND	0.11	
12672-29-6	Aroclor-1248	ND	0.11	
11097-69-1	Aroclor-1254	ND	0.11	
11096-82-5	Aroclor-1260	ND	0.11	
11100-14-4	Aroclor-1262	ND	0.11	
37324-23-5	Aroclor-1268	ND	0.11	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	83	36 - 131
Decachlorobiphenyl	92	30 - 165

Comments:

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PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0409  
Date of Collection: 4/14/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 4.57 grams  
Wet Weight Extracted: 5.74 grams

Lab Sample ID: AA92754  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 80%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.11	
11104-28-2	Aroclor-1221	ND	0.11	
11141-16-5	Aroclor-1232	ND	0.11	
53469-21-9	Aroclor-1242	ND	0.11	
12672-29-6	Aroclor-1248	ND	0.11	
11097-69-1	Aroclor-1254	ND	0.11	
11096-82-5	Aroclor-1260	ND	0.11	
11100-14-4	Aroclor-1262	ND	0.11	
37324-23-5	Aroclor-1268	ND	0.11	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	89	36 - 131
Decachlorobiphenyl	97	30 - 165

Comments:

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PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0410  
Date of Collection: 4/15/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 4.29 grams  
Wet Weight Extracted: 5.95 grams

Lab Sample ID: AA92755  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 72%  
Extract Dilution: 2

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.23	
11104-28-2	Aroclor-1221	ND	0.23	
11141-16-5	Aroclor-1232	ND	0.23	
53469-21-9	Aroclor-1242	ND	0.23	
12672-29-6	Aroclor-1248	ND	0.23	
11097-69-1	Aroclor-1254	ND	0.23	
11096-82-5	Aroclor-1260	ND	0.23	
11100-14-4	Aroclor-1262	0.38	0.23	
37324-23-5	Aroclor-1268	2.4	0.23	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	70	36 - 131
Decachlorobiphenyl	109	30 - 165

Comments:

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PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0411  
Date of Collection: 4/15/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 5.87 grams  
Wet Weight Extracted: 6.52 grams

Lab Sample ID: AA92756  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 90%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	ND	0.09	
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	ND	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
11100-14-4	Aroclor-1262	ND	0.09	
37324-23-5	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	84	36 - 131
Decachlorobiphenyl	98	30 - 165

Comments:

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PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0412  
Date of Collection: 4/15/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 4.66 grams  
Wet Weight Extracted: 5.91 grams

Lab Sample ID: AA92757  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 79%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.11	
11104-28-2	Aroclor-1221	ND	0.11	
11141-16-5	Aroclor-1232	ND	0.11	
53469-21-9	Aroclor-1242	ND	0.11	
12672-29-6	Aroclor-1248	ND	0.11	
11097-69-1	Aroclor-1254	ND	0.11	
11096-82-5	Aroclor-1260	ND	0.11	
11100-14-4	Aroclor-1262	ND	0.11	
37324-23-5	Aroclor-1268	ND	0.11	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	79	36 - 131
Decachlorobiphenyl	97	30 - 165

Comments:

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PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0413  
Date of Collection: 4/15/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 5.11 grams  
Wet Weight Extracted: 5.95 grams

Lab Sample ID: AA92758  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 86%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	87	36 - 131
Decachlorobiphenyl	97	30 - 165

Comments:

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PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0414  
Date of Collection: 4/15/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 5.51 grams  
Wet Weight Extracted: 6.34 grams

Lab Sample ID: AA92759  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 87%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.09	
11104-28-2	Aroclor-1221	ND	0.09	
11141-16-5	Aroclor-1232	ND	0.09	
53469-21-9	Aroclor-1242	ND	0.09	
12672-29-6	Aroclor-1248	ND	0.09	
11097-69-1	Aroclor-1254	ND	0.09	
11096-82-5	Aroclor-1260	ND	0.09	
11100-14-4	Aroclor-1262	ND	0.09	
37324-23-5	Aroclor-1268	ND	0.09	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	88	36 - 131
Decachlorobiphenyl	96	30 - 165

Comments:

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PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0415  
Date of Collection: 4/15/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 5.20 grams  
Wet Weight Extracted: 6.25 grams

Lab Sample ID: AA92760  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 83%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	86	36 - 131
Decachlorobiphenyl	95	30 - 165

Comments:



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St John's Cemetery

PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0416

Lab Sample ID: AA92761

Date of Collection: 4/15/2009

Matrix Soil

Date of Extraction: 4/27/09

Final Volume: 5 mL

Date of Analysis: 5/8/09

Percent Solids: 81%

Dry Weight Extracted: 4.88 grams

Extract Dilution: 1

Wet Weight Extracted: 6.06 grams

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	68	36 - 131
Decachlorobiphenyl	79	30 - 165

Comments:

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St John's Cemetery

PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0417  
Date of Collection: 4/15/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 4.36 grams  
Wet Weight Extracted: 5.61 grams

Lab Sample ID: AA92762  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 78%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.11	
11104-28-2	Aroclor-1221	ND	0.11	
11141-16-5	Aroclor-1232	ND	0.11	
53469-21-9	Aroclor-1242	ND	0.11	
12672-29-6	Aroclor-1248	ND	0.11	
11097-69-1	Aroclor-1254	ND	0.11	
11096-82-5	Aroclor-1260	ND	0.11	
11100-14-4	Aroclor-1262	ND	0.11	
37324-23-5	Aroclor-1268	ND	0.11	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	80	36 - 131
Decachlorobiphenyl	90	30 - 165

Comments:

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St John's Cemetery

PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0418  
Date of Collection: 4/15/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 4.58 grams  
Wet Weight Extracted: 5.89 grams

Lab Sample ID: AA92763  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 78%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.11	
11104-28-2	Aroclor-1221	ND	0.11	
11141-16-5	Aroclor-1232	ND	0.11	
53469-21-9	Aroclor-1242	ND	0.11	
12672-29-6	Aroclor-1248	ND	0.11	
11097-69-1	Aroclor-1254	ND	0.11	
11096-82-5	Aroclor-1260	ND	0.11	
11100-14-4	Aroclor-1262	ND	0.11	
37324-23-5	Aroclor-1268	ND	0.11	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	68	36 - 131
Decachlorobiphenyl	82	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

St John's Cemetery

PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0419  
Date of Collection: 4/15/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 4.78 grams  
Wet Weight Extracted: 5.91 grams

Lab Sample ID: AA92764  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 81%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	76	36 - 131
Decachlorobiphenyl	82	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

St John's Cemetery

PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0420  
Date of Collection: 4/15/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/7/09  
Dry Weight Extracted: 5.20 grams  
Wet Weight Extracted: 6.02 grams

Lab Sample ID: AA92765  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 86%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	86	36 - 131
Decachlorobiphenyl	98	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

St John's Cemetery

PCBs Medium Level in Soils and Sediments

Client Sample ID: R01-090413CY-0422  
Date of Collection: 4/16/2009  
Date of Extraction: 4/27/09  
Date of Analysis: 5/8/09  
Dry Weight Extracted: 5.12 grams  
Wet Weight Extracted: 5.12 grams

Lab Sample ID: AA92766  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 100%  
Extract Dilution: 10

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.98	
11104-28-2	Aroclor-1221	ND	0.98	
11141-16-5	Aroclor-1232	ND	0.98	
53469-21-9	Aroclor-1242	ND	0.98	
12672-29-6	Aroclor-1248	ND	0.98	
11097-69-1	Aroclor-1254	ND	0.98	
11096-82-5	Aroclor-1260	12	0.98	
11100-14-4	Aroclor-1262	ND	0.98	
37324-23-5	Aroclor-1268	ND	0.98	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	83	36 - 131
Decachlorobiphenyl	103	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

St John's Cemetery

Laboratory Blank

Client Sample ID: N/A  
Date of Collection: N/A  
Date of Extraction: 4/27/09  
Date of Analysis: 5/7/09  
Dry Weight Extracted: 5.18 grams  
Wet Weight Extracted: 5.19 grams

Lab Sample ID: N/A  
Matrix: Soil  
Final Volume: 5 mL  
Percent Solids: 100%  
Extract Dilution: 1

CAS Number	Compound	Concentration mg/Kg	RL mg/Kg	Qualifier
12674-11-2	Aroclor-1016	ND	0.10	
11104-28-2	Aroclor-1221	ND	0.10	
11141-16-5	Aroclor-1232	ND	0.10	
53469-21-9	Aroclor-1242	ND	0.10	
12672-29-6	Aroclor-1248	ND	0.10	
11097-69-1	Aroclor-1254	ND	0.10	
11096-82-5	Aroclor-1260	ND	0.10	
11100-14-4	Aroclor-1262	ND	0.10	
37324-23-5	Aroclor-1268	ND	0.10	

Surrogate Compounds	Recoveries (%)	QC Ranges
2,4,5,6-Tetrachloro-m-xylene	81	36 - 131
Decachlorobiphenyl	90	30 - 165

Comments:

US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

PCB MATRIX SPIKE (MS) / MATRIX SPIKE DUPLICATE (MSD) RECOVERY

St John's Cemetery

Sample ID: AA92765

PARAMETER	SPIKE ADDED mg/Kg	SAMPLE CONCENTRATION mg/Kg	MS CONCENTRATION mg/Kg	MS % REC	QC LIMITS (% REC)
Aroclor-1254	0.69	ND	0.718	104.82	70 - 130

PARAMETER	MSD SPIKE ADDED	MSD CONCENTRATION mg/Kg	MSD % REC	RPD %	QC LIMITS RPD
Aroclor-1254	0.68	0.693	101.61	3	50

Samples in Batch: AA92747, AA92748, AA92749, AA92750, AA92751, AA92752, AA92753, AA92754, AA92755, AA92756, AA92757, AA92758, AA92759, AA92760, AA92761, AA92762, AA92763, AA92764, AA92765, AA92766

Comments:



US ENVIRONMENTAL PROTECTION AGENCY  
NEW ENGLAND LABORATORY

LABORATORY DUPLICATE RESULTS

St John's Cemetery

Sample ID: AA92765

PARAMETER	SAMPLE RESULT mg/Kg	SAMPLE DUPLICATE RESULT mg/Kg	PRECISION RPD %	QC LIMITS
Aroclor-1016	ND	ND		50
Aroclor-1221	ND	ND		50
Aroclor-1232	ND	ND		50
Aroclor-1242	ND	ND		50
Aroclor-1248	ND	ND		50
Aroclor-1254	ND	ND		50
Aroclor-1260	ND	ND		50
Aroclor-1262	ND	ND		50
Aroclor-1268	ND	ND		50

**No: R01-090413CY-04/16/09-0006**

Contact Phone: 617-680-5470

Lab #	Sample #	Location	Sub Location	Collected	Sample Time	Analyses	Matrix	Sample Type	Numb Cont	Container
	R01-090413CY-0402	L00 P330	B	4/13/2009	13:23	PCB	Soil	Subsurface	1	4 oz amber
	R01-090413CY-0403	L27 P240	B	4/14/2009	17:04	PCB	Soil	Subsurface	1	4 oz amber
	R01-090413CY-0404	L24 P210	B	4/14/2009	17:30	PCB	Soil	Subsurface	1	4 oz amber
	R01-090413CY-0405	L15 P330	C	4/14/2009	12:14	PCB	Soil	Subsurface	1	4 oz amber
	R01-090413CY-0406	L21 P300	A	4/14/2009	14:52	PCB	Soil	Surface	1	4 oz amber
	R01-090413CY-0407	L06 P270	A	4/13/2009	16:45	PCB	Soil	Surface	1	4 oz amber
	R01-090413CY-0408	L03 P360	A	4/13/2009	14:32	PCB	Soil	Surface	1	4 oz amber
	R01-090413CY-0409	L09 P330	A	4/14/2009	09:22	PCB	Soil	Surface	1	4 oz amber
	R01-090413CY-0410	SS-01		4/15/2009	14:05	PCB	Soil	Surface	1	4 oz amber
	R01-090413CY-0411	L24 P120	C	4/15/2009	10:41	PCB	Soil	Subsurface	1	4 oz amber
	R01-090413CY-0412	L24 P060	A	4/15/2009	10:17	PCB	Soil	Surface	1	4 oz amber
	R01-090413CY-0413	L-3 P300	C	4/15/2009	08:23	PCB	Soil	Subsurface	1	4 oz amber
	R01-090413CY-0414	L24 P090	B	4/15/2009	10:31	PCB	Soil	Subsurface	1	4 oz amber
	R01-090413CY-0415	AOC-01	A	4/15/2009	17:30	PCB	Soil	Surface	1	4 oz amber
	R01-090413CY-0416	AOC-02	A	4/15/2009	17:15	PCB	Soil	Surface	1	4 oz amber
	R01-090413CY-0417	AOC-04	A	4/15/2009	16:28	PCB	Soil	Surface	1	4 oz amber
	R01-090413CY-0418	AOC-07	A	4/15/2009	16:45	PCB	Soil	Surface	1	4 oz amber
	R01-090413CY-0419	AOC-09	A	4/15/2009	17:50	PCB	Soil	Surface	1	4 oz amber
	R01-090413CY-0420	AOC-10	A	4/15/2009	17:40	PCB	Soil	Surface	1	4 oz amber

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]

Contact Phone: 617-680-5470

Special Instructions:	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

[illegible]