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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0433

Date Received: 5/11/2015

Field Sample #: B150-2 Sampled: 5/11/2015 10:02

Sample ID: 15E0433-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:18	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:18	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:18	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:18	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:18	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:18	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:18	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:18	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:18	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		5/30/15 13:18
Decachlorobiphenyl [2]	88.7	30-150		5/30/15 13:18
Tetrachloro-m-xylene [1]	87.2	30-150		5/30/15 13:18
Tetrachloro-m-xylene [2]	95.5	30-150		5/30/15 13:18

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0433

Date Received: 5/11/2015

Field Sample #: B150-2 Sampled: 5/11/2015 10:02

Sample ID: 15E0433-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.8		% Wt	1		SM 2540G	5/23/15	5/26/15 7:45	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0433

Date Received: 5/11/2015

Field Sample #: B149-1 Sampled: 5/11/2015 11:30

Sample ID: 15E0433-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:30	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:30	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:30	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:30	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:30	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:30	KAL
Aroclor-1260 [2]	0.42	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:30	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:30	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/30/15 13:30	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.1	30-150		5/30/15 13:30
Decachlorobiphenyl [2]	74.3	30-150		5/30/15 13:30
Tetrachloro-m-xylene [1]	74.7	30-150		5/30/15 13:30
Tetrachloro-m-xylene [2]	80.9	30-150		5/30/15 13:30

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0433

Date Received: 5/11/2015

Field Sample #: B149-1 Sampled: 5/11/2015 11:30

Sample ID: 15E0433-19

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1		SM 2540G	5/23/15	5/26/15 7:45	MRL

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0433

Date Received: 5/11/2015

Field Sample #: B149-2 Sampled: 5/11/2015 11:32

Sample ID: 15E0433-20

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.59	mg/Kg dry	25		SW-846 8082A	5/23/15	5/31/15 10:42	KAL
Aroclor-1221 [1]	ND	0.59	mg/Kg dry	25		SW-846 8082A	5/23/15	5/31/15 10:42	KAL
Aroclor-1232 [1]	ND	0.59	mg/Kg dry	25		SW-846 8082A	5/23/15	5/31/15 10:42	KAL
Aroclor-1242 [1]	ND	0.59	mg/Kg dry	25		SW-846 8082A	5/23/15	5/31/15 10:42	KAL
Aroclor-1248 [1]	ND	0.59	mg/Kg dry	25		SW-846 8082A	5/23/15	5/31/15 10:42	KAL
Aroclor-1254 [2]	2.4	0.59	mg/Kg dry	25		SW-846 8082A	5/23/15	5/31/15 10:42	KAL
Aroclor-1260 [2]	3.4	0.59	mg/Kg dry	25		SW-846 8082A	5/23/15	5/31/15 10:42	KAL
Aroclor-1262 [1]	ND	0.59	mg/Kg dry	25		SW-846 8082A	5/23/15	5/31/15 10:42	KAL
Aroclor-1268 [1]	ND	0.59	mg/Kg dry	25		SW-846 8082A	5/23/15	5/31/15 10:42	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		5/31/15 10:42
Decachlorobiphenyl [2]	107	30-150		5/31/15 10:42
Tetrachloro-m-xylene [1]	103	30-150		5/31/15 10:42
Tetrachloro-m-xylene [2]	110	30-150		5/31/15 10:42

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0433

Date Received: 5/11/2015

Field Sample #: B149-2 Sampled: 5/11/2015 11:32

Sample ID: 15E0433-20

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.0		% Wt	1		SM 2540G	5/23/15	5/26/15 7:45	MRL

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
15E0433-01 [B150-1]	B122229	05/23/15
15E0433-02 [B150-2]	B122229	05/23/15
15E0433-19 [B149-1]	B122229	05/23/15
15E0433-20 [B149-2]	B122229	05/23/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0433-01 [B150-1]	B122437	10.4	10.0	05/23/15
15E0433-02 [B150-2]	B122437	10.4	10.0	05/23/15
15E0433-19 [B149-1]	B122437	10.4	10.0	05/23/15
15E0433-20 [B149-2]	B122437	10.3	10.0	05/23/15

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122437 - SW-846 3540C										
Blank (B122437-BLK1)				Prepared: 05/23/15 Analyzed: 05/30/15						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.180*		mg/Kg wet	0.200		90.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.191*		mg/Kg wet	0.200		95.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.171*		mg/Kg wet	0.200		85.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.192*		mg/Kg wet	0.200		95.8	30-150			
LCS (B122437-BS1)				Prepared: 05/23/15 Analyzed: 05/30/15						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		101	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		104	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		102	40-140			
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Surrogate: Decachlorobiphenyl	*0.186*		mg/Kg wet	0.200		92.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.189*		mg/Kg wet	0.200		94.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.184*		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.199*		mg/Kg wet	0.200		99.7	30-150			
LCS Dup (B122437-BSD1)				Prepared: 05/23/15 Analyzed: 05/30/15						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		101	40-140	0.554	30	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		102	40-140	2.20	30	
Aroclor-1260	0.20	0.10	mg/Kg wet	0.200		100	40-140	1.57	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		106	40-140	1.54	30	
Surrogate: Decachlorobiphenyl	*0.180*		mg/Kg wet	0.200		90.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.184*		mg/Kg wet	0.200		92.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.180*		mg/Kg wet	0.200		89.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.195*		mg/Kg wet	0.200		97.6	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 with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122437 - SW-846 3540C										
Matrix Spike (B122437-MS1)	**Source: 15E0433-01**			Prepared: 05/23/15 Analyzed: 05/30/15						
Aroclor-1016	0.22	0.12	mg/Kg dry	0.237	ND	91.7	40-140			
Aroclor-1016 [2C]	0.22	0.12	mg/Kg dry	0.237	ND	91.7	40-140			
Aroclor-1260	0.23	0.12	mg/Kg dry	0.237	ND	98.5	40-140			
Aroclor-1260 [2C]	0.25	0.12	mg/Kg dry	0.237	ND	106	40-140			
Surrogate: Decachlorobiphenyl	*0.186*		mg/Kg dry	0.237		78.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.187*		mg/Kg dry	0.237		78.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.190*		mg/Kg dry	0.237		80.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.207*		mg/Kg dry	0.237		87.3	30-150			
Matrix Spike Dup (B122437-MSD1)	**Source: 15E0433-01**			Prepared: 05/23/15 Analyzed: 05/30/15						
Aroclor-1016	0.25	0.12	mg/Kg dry	0.241	ND	103	40-140	13.2	50	
Aroclor-1016 [2C]	0.25	0.12	mg/Kg dry	0.241	ND	105	40-140	15.2	50	
Aroclor-1260	0.28	0.12	mg/Kg dry	0.241	ND	116	40-140	17.7	50	
Aroclor-1260 [2C]	0.30	0.12	mg/Kg dry	0.241	ND	124	40-140	17.0	50	
Surrogate: Decachlorobiphenyl	*0.223*		mg/Kg dry	0.241		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.224*		mg/Kg dry	0.241		92.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.222*		mg/Kg dry	0.241		92.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.242*		mg/Kg dry	0.241		100	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 B122229 - % Solids										
Duplicate (B122229-DUP1)	**Source: 15E0433-01**			Prepared: 05/23/15 Analyzed: 05/26/15						
% Solids	81.2		% Wt		80.5			0.866	20	
Duplicate (B122229-DUP2)	**Source: 15E0433-02**			Prepared: 05/23/15 Analyzed: 05/26/15						
% Solids	81.9		% Wt		81.8			0.122	20	

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B149-1

Lab Sample ID: 15E0433-19 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.35	
	2	0.00	-0.03	0.03	0.42	18.2

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B149-2

Lab Sample ID: 15E0433-20 Date(s) Analyzed: 05/31/2015 05/31/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	2.1	
	2	0.00	-0.03	0.03	2.4	14.8
Aroclor-1260	1	0.00	-0.03	0.03	3.1	
	2	0.00	-0.03	0.03	3.4	10.5

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122437-BS1 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.20	
	2	0.00	-0.03	0.03	0.21	3
Aroclor-1260	1	0.00	-0.03	0.03	0.20	
	2	0.00	-0.03	0.03	0.21	3

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122437-BSD1 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.20	
	2	0.00	-0.03	0.03	0.20	1
Aroclor-1260	1	0.00	-0.03	0.03	0.20	
	2	0.00	-0.03	0.03	0.21	4

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B122437-MS1 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.22	1
Aroclor-1260	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.25	7

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B122437-MSD1 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.25	
	2	0.00	-0.03	0.03	0.25	1
Aroclor-1260	1	0.00	-0.03	0.03	0.28	
	2	0.00	-0.03	0.03	0.30	7

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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

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

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

CHAIN OF CUSTODY RECORD

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Page 1 of 2

15E0433

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473
Address: 273 Dividend Rd Project # 860 513-1483
Rocky Hill, CT 06067 Client PO# 02274021 Release 00005
Attention: Jeff Willson / Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sivahak

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
01	B150-1	5/11/15	1000		X	S	U			✓	1	I	A
02	B150-2		1002							✓			
03	B150-3		1004							✓			
04	B150-4		1006							✓			
05	B150-5		1008							✓			
06	B170-1		1020							✓			
07	B170-2		1022							✓			
08	B170-3		1024							✓			
09	B170-4		1026							✓			
10	B170-5	✓	1028		✓	✓	✓			✓			

ANALYSIS REQUESTED

Comments: Hold samples for future extraction / analysis
Note soxhlet extraction rqmts. for samples and TAT.

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

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Relinquished by: (signature)	5/11/15	Date/Time:
Received by: (signature)	5/11/15	Date/Time: 341
Relinquished by: (signature)	5/11/15	Date/Time: 1640
Received by: (signature)	5/11/15	Date/Time: 1640

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac AIHA ACCREDITED LABORATORY
NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 55
Page 2519 of 4786
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con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

15E0433

Company Name: Weston and Sampson (for NUSCO)
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Attention: Jeff Willson / Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

Telephone: 860 513-1473
Project # 860 513-1483
Client PO# 02274021 Release 00005

DATA DELIVERY (check all that apply)
O FAX O EMAIL O WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL O GIS
O OTHER
O "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
11	B148-1	5/11/15	1030		X	S	U			✓	1	I	A
12	B148-2		1032							✓			
13	B148-3		1034							✓			
14	B148-4		1036							✓			
15	B148-5		1038							✓			
16	B137-3		1104							✓			
17	B137-4		1106							✓			
18	B137-5		1108							✓			
19	B149-1		1130							✓			
20	B149-2	↓	1132		↓	↓	↓			✓			

ANALYSIS REQUESTED

Dissolved Metals
O Field Filtered
O Lab to Filter

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

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

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

Comments: Hold samples for future extraction / analysis
Note soxhlet extraction rqmts. for samples and TAT.

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)	5/11/15	Date/Time:
Received by: (signature)	5/11/15	Date/Time: 1347
Relinquished by: (signature)	5/11/15	Date/Time: 1440
Received by: (signature)	5/11/15	Date/Time: 1640

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 ?
O MCP Form Required
◉ RCP Form Required
O MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

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

con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Weston and Sampson (NUSCO) **RECEIVED BY:** JDL **DATE:** 5/11/15

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No **No CoC Included**
2) **Does the chain agree with the samples?** (Yes) No
If not, explain:
3) **Are all the samples in good condition?** (Yes) No
If not, explain:
4) **How were the samples received:**
On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒
Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A
Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.3
5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____
7) **Location where samples are stored:** 19
Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____
8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____
9) **Do all samples have the proper Base pH:** Yes No (N/A) _____
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	64
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

Page 2 of 2

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

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

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** JDL **Date/Time:** 5/11/15 1640

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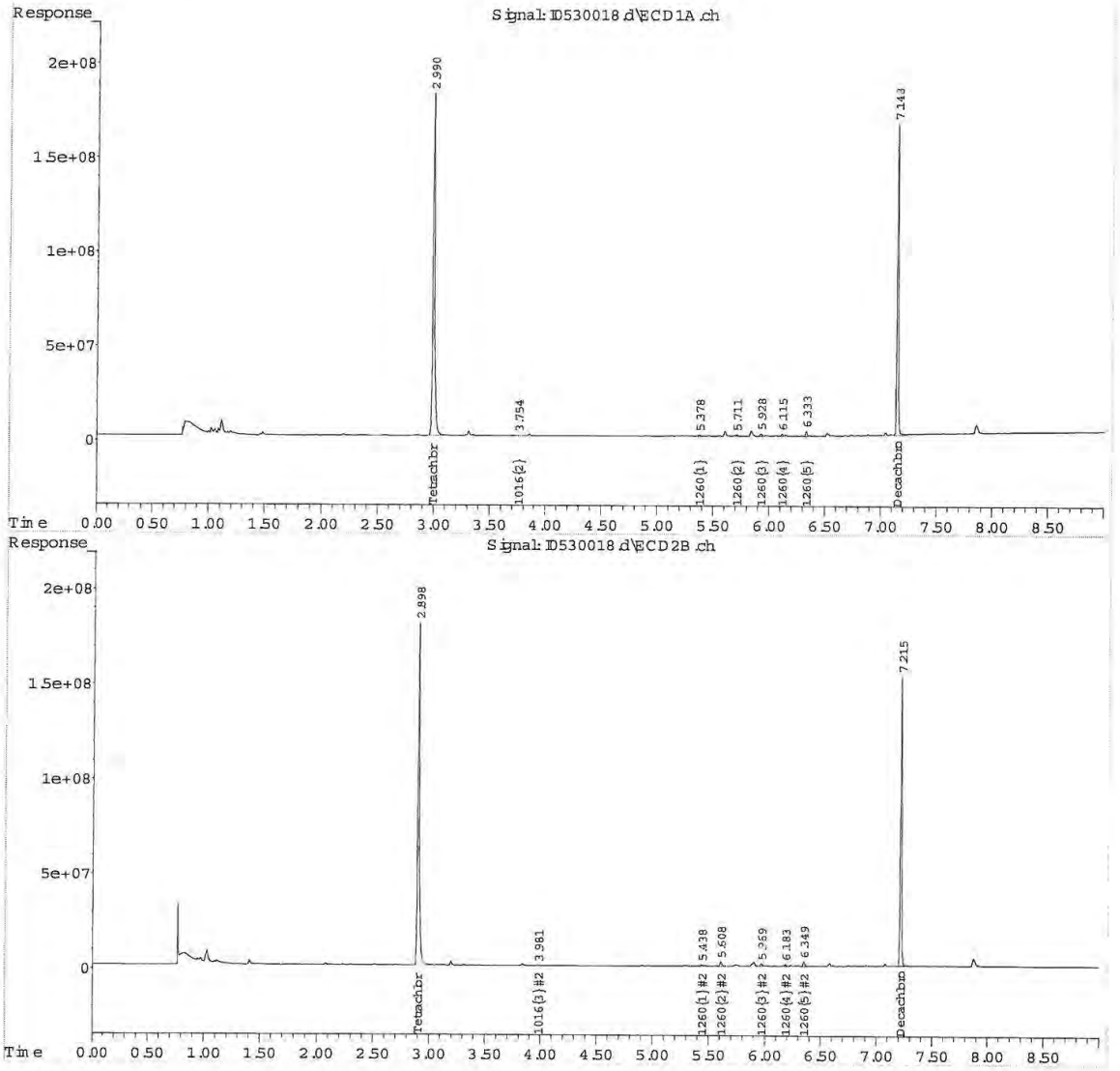
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\053015\
Data File : I0530018.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 1:06 pm
Operator : JMB
Sample : 15E0433-01@5X TBA Inst : ECD 9
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 31 06:41:39 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-052615C.M
Quant Title : 1260/1016 05/26/15 05/06/15 ICAL 1500163
QLast Update : Tue May 26 22:46:56 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



9-1260-052615C.M Mon Jun 01 11:46:20 2015

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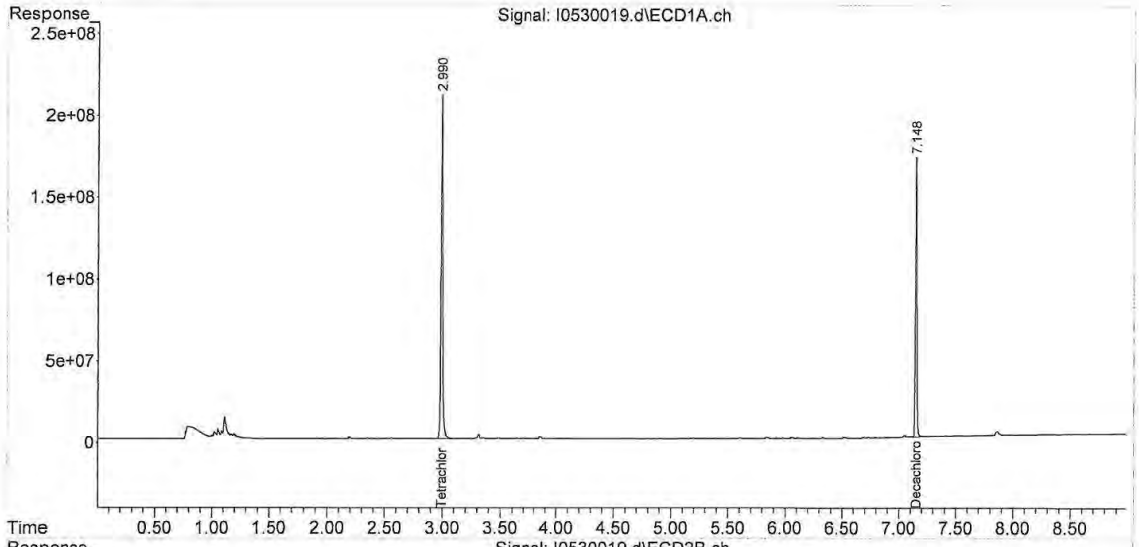
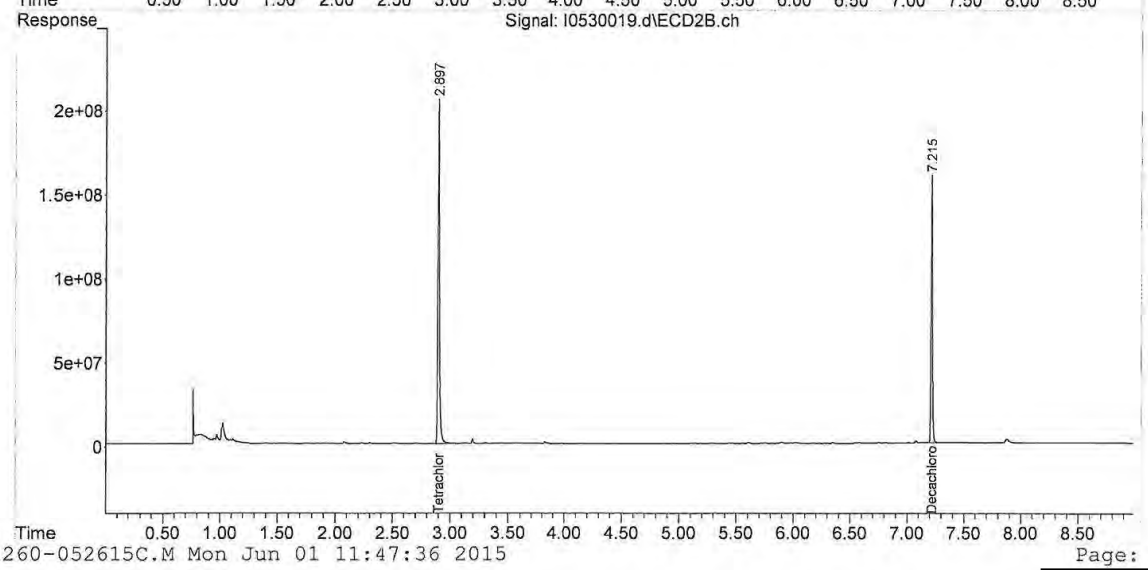
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\053015\
Data File : I0530019.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 1:18 pm
Operator : JMB
Sample : 15E0433-02@5X TBA Inst : ECD 9
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Jun 01 11:47:31 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-052615C.M
Quant Title : 1260/1016 05/26/15 05/06/15 ICAL 1500163
QLast Update : Tue May 26 22:46:56 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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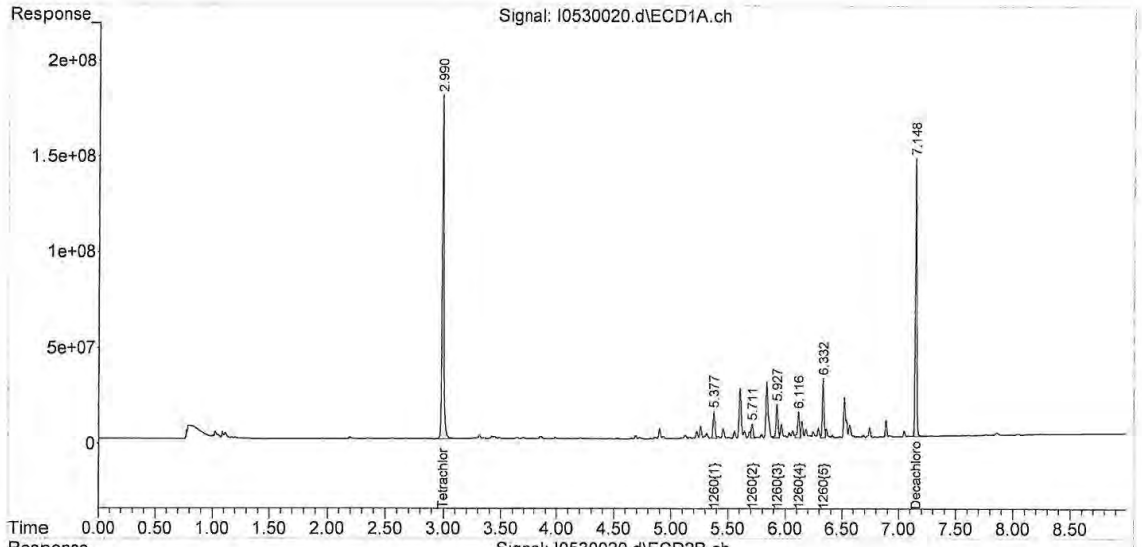
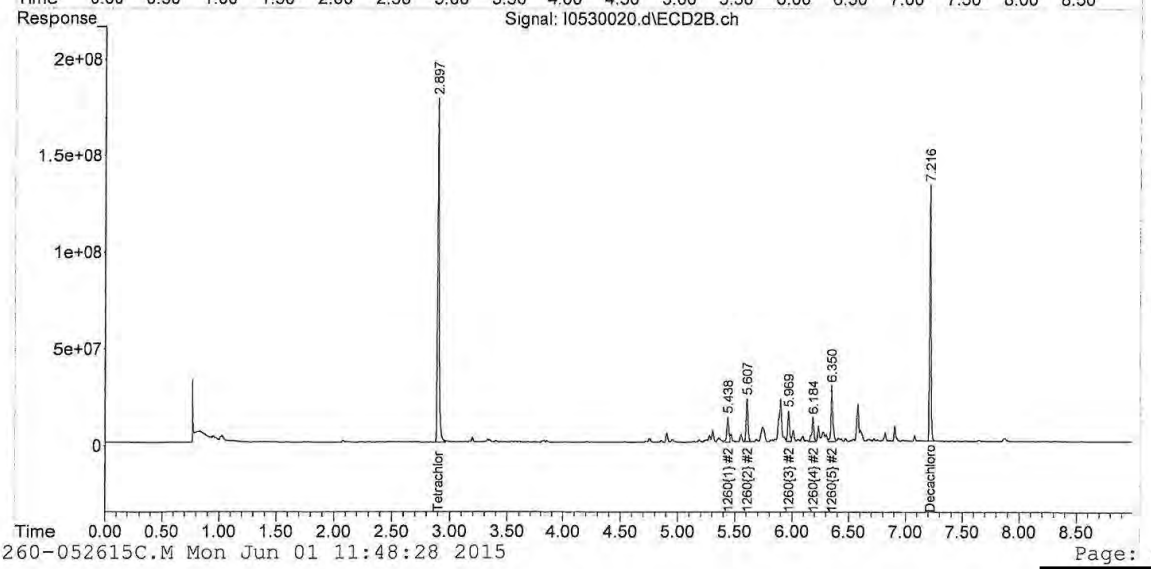
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\053015\
Data File : I0530020.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 1:30 pm
Operator : JMB
Sample : 15E0433-19@5X TBA Inst : ECD 9
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Jun 01 11:48:23 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-052615C.M
Quant Title : 1260/1016 05/26/15 05/06/15 ICAL 1500163
QLast Update : Tue May 26 22:46:56 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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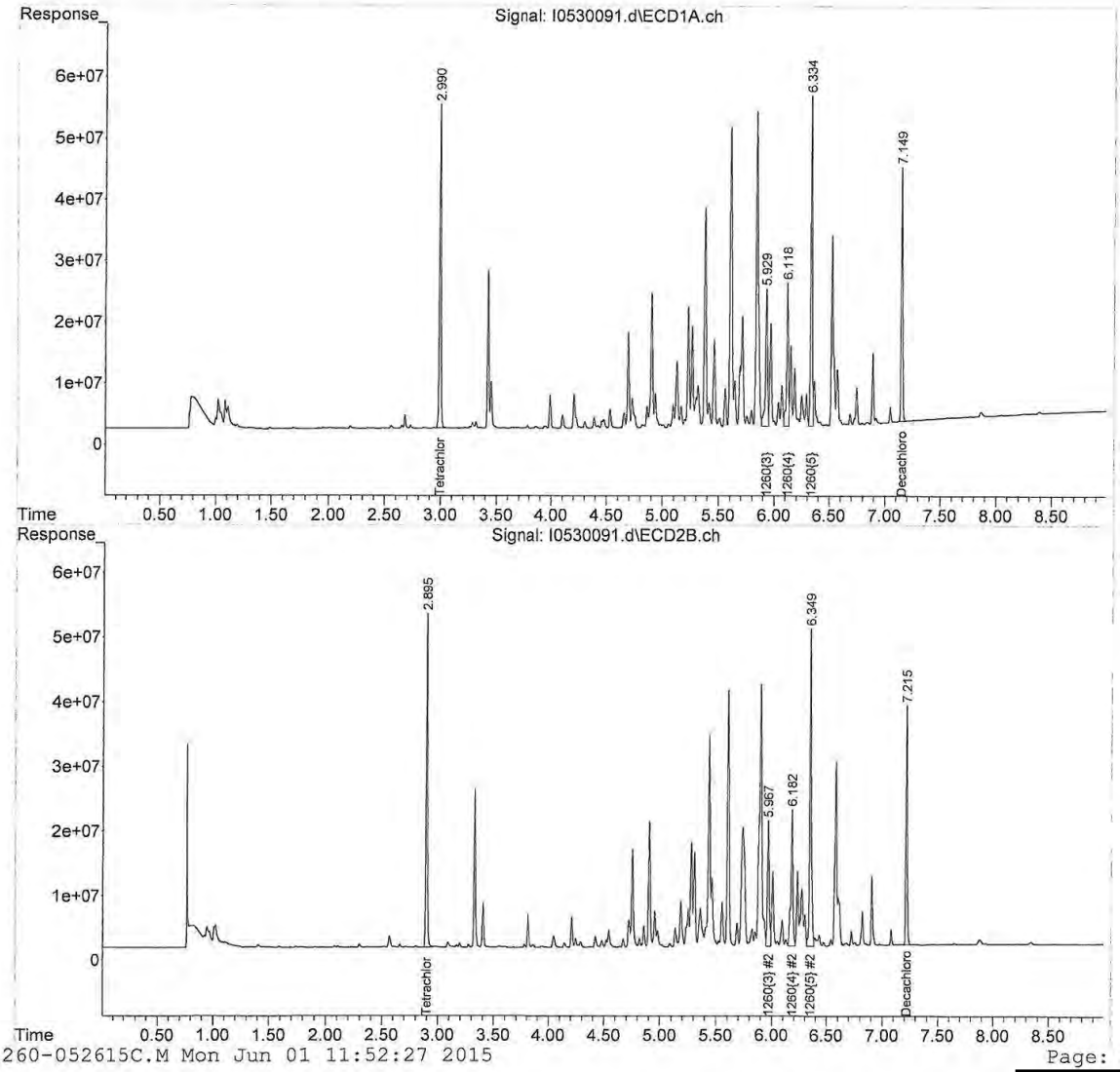
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\053015\
Data File : I0530091.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 31 May 2015 10:42 am
Operator : JMB
Sample : 15E0433-20@25X Inst : ECD 9
Misc :
ALS Vial : 91 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Jun 01 11:52:17 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-052615C.M
Quant Title : 1260/1016 05/26/15 05/06/15 ICAL 1500163
QLast Update : Tue May 26 22:46:56 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Jim Georgantas

Subject: FW: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Highlighted samples are to be analyzed:

B-143-1 -2 -3 -4
B-148-1 -2 -3 -4
B-149-1, -2 -3 -4
B-150-1, -2 -3 -4
B-151-1 -2 -3 -4
B-152-1 -2 -3 -4
B-153-1 -2 -3 -4
B-154-1 -2 -3 -4
B-157-1 -2 -3 -4
B-160-1 -2 -3 -4
B-161-1 -2 -3 -4
B-162-1 -2 -3 -4
B-163-1 -2 -3 -4
B-164-1 -2 -3 -4
B-165-1 -2 -3 -4
B-166-1 -2 -3 -4
B-167-1 -2 -3 -4
B-168-1 -2 -3 -4
B-169-1 -2 -3 -4
B-170-1 -2 -3 -4
B-171-1 -2 -3 -4
B-172-1 -2 -3 -4
B-173-1 -2 -3 -4
B-178-1 -2 -3 -4
B-180-1 -2 -3 -4
B-181-1 -2 -3 -4
B-182-1 -2 -3 -4

Thank you very much

Ken

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0433

Laboratory Sample ID(s):

15E0433-01 thru 15E0433-20

Sample Date(s):

05/11/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** **Manager, Laboratory Reporting**

Printed Name: **Johanna K. Harrington** **Date:** **06/03/15**

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

Table of Contents

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

June 2, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0435

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

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 6/2/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0435

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B135-3	15E0435-07	Soil		SM 2540G SW-846 8082A	

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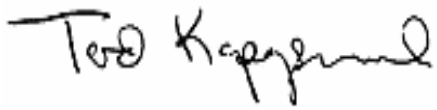
con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

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

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



Tod E. Kopyscinski
Laboratory Director

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0435

Date Received: 5/11/2015

Field Sample #: B135-3 Sampled: 5/11/2015 12:14

Sample ID: 15E0435-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1260 [2]	0.76	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.5	30-150		5/22/15 19:30
Decachlorobiphenyl [2]	105	30-150		5/22/15 19:30
Tetrachloro-m-xylene [1]	82.7	30-150		5/22/15 19:30
Tetrachloro-m-xylene [2]	91.5	30-150		5/22/15 19:30

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0435

Date Received: 5/11/2015

Field Sample #: B135-3 Sampled: 5/11/2015 12:14

Sample ID: 15E0435-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	5/20/15	5/21/15 12:10	MRL

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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
15E0435-07 [B135-3]	B122223	05/20/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0435-07 [B135-3]	B122261	10.0	10.0	05/21/15

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122261 - SW-846 3540C										
Blank (B122261-BLK1)				Prepared: 05/21/15 Analyzed: 05/22/15						
Aroclor-1016	ND	0.019	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1221	ND	0.019	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1232	ND	0.019	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1242	ND	0.019	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1248	ND	0.019	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1254	ND	0.019	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1260	ND	0.019	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1262	ND	0.019	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1268	ND	0.019	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.019	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.223*		mg/Kg wet	0.192		116	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.223*		mg/Kg wet	0.192		116	30-150			
Surrogate: Tetrachloro-m-xylene	*0.211*		mg/Kg wet	0.192		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.219*		mg/Kg wet	0.192		114	30-150			
LCS (B122261-BS1)				Prepared: 05/21/15 Analyzed: 05/22/15						
Aroclor-1016	0.24	0.099	mg/Kg wet	0.198		121	40-140			
Aroclor-1016 [2C]	0.25	0.099	mg/Kg wet	0.198		125	40-140			
Aroclor-1260	0.23	0.099	mg/Kg wet	0.198		118	40-140			
Aroclor-1260 [2C]	0.24	0.099	mg/Kg wet	0.198		119	40-140			
Surrogate: Decachlorobiphenyl	*0.220*		mg/Kg wet	0.198		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.212*		mg/Kg wet	0.198		107	30-150			
Surrogate: Tetrachloro-m-xylene	*0.234*		mg/Kg wet	0.198		118	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.231*		mg/Kg wet	0.198		117	30-150			
LCS Dup (B122261-BSD1)				Prepared: 05/21/15 Analyzed: 05/22/15						
Aroclor-1016	0.26	0.10	mg/Kg wet	0.199		130	40-140	7.60	30	
Aroclor-1016 [2C]	0.26	0.10	mg/Kg wet	0.199		133	40-140	6.73	30	
Aroclor-1260	0.26	0.10	mg/Kg wet	0.199		129	40-140	9.12	30	
Aroclor-1260 [2C]	0.26	0.10	mg/Kg wet	0.199		129	40-140	8.48	30	
Surrogate: Decachlorobiphenyl	*0.235*		mg/Kg wet	0.199		118	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.228*		mg/Kg wet	0.199		114	30-150			
Surrogate: Tetrachloro-m-xylene	*0.247*		mg/Kg wet	0.199		124	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.245*		mg/Kg wet	0.199		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 B122223 - % Solids										
Duplicate (B122223-DUP1)	**Source: 15E0435-07**		Prepared: 05/20/15 Analyzed: 05/21/15							
% Solids	87.7		% Wt		88.1			0.455	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B135-3

Lab Sample ID: 15E0435-07 Date(s) Analyzed: 05/22/2015 05/22/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.61	
	2	0.00	-0.03	0.03	0.76	21.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122261-BS1 Date(s) Analyzed: 05/22/2015 05/22/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.24	
	2	0.00	-0.03	0.03	0.25	5
Aroclor-1260	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.24	2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122261-BSD1 Date(s) Analyzed: 05/22/2015 05/22/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.26	
	2	0.00	-0.03	0.03	0.26	1
Aroclor-1260	1	0.00	-0.03	0.03	0.26	
	2	0.00	-0.03	0.03	0.26	1

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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.

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

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

Jim Georgantas

Subject: FW: PCB activations

Jim,

Can you please extract and analyze sample ID B-135-3 and extract and HOLD samples B-135-4 and -5 from the group collected on May 11.

No additional analyses required for the May 12 samples.

I'll be awaiting the results of the May 13 samples to make those determinations which I assume will be forthcoming later today.

Thank you very much

Ken

Kenneth J. Gendron, P.G., LSP
PROJECT MANAGER
Weston&Sampson®
427 Main Street, Suite 400
Worcester, MA 01608
www.westonandsampson.com
Cell: 508-479-2924
Office: 978-532-1900 ext. 2501

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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0435

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483
Client PO# 02274021 Release 00005
Attention: Jeff Willson / Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

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

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
01	B149-3	5/8/15	1134		X	S	U			✓	1		A
02	B149-4		1136							✓			
03	B149-5		1138							✓			
04	B13C-3		1154							✓			
05	B13C-4		1156							✓			
06	B13C-5		1158							✓			
07	B135-3 ☆		1214							✓			
08	B135-4 ☆☆		1216							✓			
09	B135-5		1218							✓			
10	B147-1	↓	1230		↓	↓	↓			✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Hold for future extraction/analysis
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH THE NELAC STANDARDS — nelac — AIHA ACCREDITED LABORATORY
NELAC & AIHA Certified
WBE/DBE Certified

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

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

15E0435

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473
Address: 273 Dividend Rd Project # 860 513-1483
Rocky Hill, CT 06067 Client PO# 02274021 Release 00005
Attention: Jeff Willson / Leen Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sinatra

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
11	B147-2	5/11/15	1233		X	S	U			✓	1		
12	B147-3		1234							✓			
13	B147-4		1236							✓			
14	B147-5		1238							✓			
15	B134-3		1244							✓			
16	B134-4		1246							✓			
17	B134-5		1248							✓			
18	B133-3		1304							✓			
19	B133-4		1306							✓			
20	B133-5	↓	1308		↓	↓	↓			✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Hold for future extraction/analysis
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH NELAP — nelac — AIHA ACCREDITED LABORATORY
NELAC & AIHA Certified
WBE/DBE Certified

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

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East Longmeadow, MA 01028
P: 413-525-2332
F: 413-525-6405
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Sample Receipt Checklist

CLIENT NAME: Weston and Sampson (NUSCO) RECEIVED BY: JDL DATE: 5/11/15

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.3

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

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

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

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	64
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

Page 2 of 2

Login Sample Receipt Checklist

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

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

Doc #277 Rev. 4 August 2013

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

Date/Time:
Date/Time: 5/11/15 1640

Jim Georgantas

Subject: FW: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Good morning Jim,

If you haven't already started the extraction process for the remaining 12 samples (152, 167 & 180) that are out of hold that I gave the go ahead on yesterday, please do not extract those.

The highlighted samples are the samples I need analyzed at this point please.

Thank you

Ken

B-143-1 -2 -3 -4
B-148-1 -2 -3 -4
B-149-1, -2 -3 -4
B-150-1, -2 -3 -4
B-151-1 -2 -3 -4
B-152-1 -2 -3 -4
B-153-1 -2 -3 -4
B-154-1 -2 -3 -4
B-157-1 -2 -3 -4
B-160-1 -2 -3 -4
B-161-1 -2 -3 -4
B-162-1 -2 -3 -4
B-163-1 -2 -3 -4
B-164-1 -2 -3 -4
B-165-1 -2 -3 -4
B-166-1 -2 -3 -4
B-167-1 -2 -3 -4
B-168-1 -2 -3 -4
B-169-1 -2 -3 -4
B-170-1 -2 -3 -4
B-171-1 -2 -3 -4
B-172-1 -2 -3 -4
B-173-1 -2 -3 -4
B-178-1 -2 -3 -4
B-180-1 -2 -3 -4
B-181-1 -2 -3 -4
B-182-1 -2 -3 -4

Thank you very much

Ken

Kenneth J. Gendron, P.G., LSP
PROJECT MANAGER

Weston&Sampson®
427 Main Street, Suite 400
Worcester, MA 01608
www.westonandsampson.com
Cell: 508-479-2924
Office: 978-532-1900 ext.

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0435

Laboratory Sample ID(s):

15E0435-07

Sample Date(s):

05/11/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature: Tod Kopyscinski **Position:** **Laboratory Director**

Printed Name: **Tod E. Kopyscinski** **Date:** **06/02/15**

Name of Laboratory: **Con-Test Analytical Laboratory**

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

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

June 5, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0435

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

Sincerely,



James M. Georgantas
Project Manager

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Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 6/5/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0435

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B135-3	15E0435-07	Soil		SM 2540G	
				SW-846 8082A	
B135-4	15E0435-08	Soil		SM 2540G	
				SW-846 8082A	

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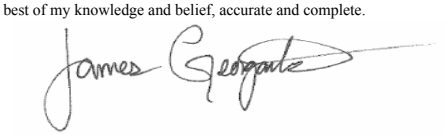
CASE NARRATIVE SUMMARY

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

REVISED REPORT 06/05/15 - Sample B135-4 reported per client request.

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



James M. Georgantas
Project Management Supervisor

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0435

Date Received: 5/11/2015

Field Sample #: B135-3 Sampled: 5/11/2015 12:14

Sample ID: 15E0435-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1260 [2]	0.76	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:30	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.5	30-150		5/22/15 19:30
Decachlorobiphenyl [2]	105	30-150		5/22/15 19:30
Tetrachloro-m-xylene [1]	82.7	30-150		5/22/15 19:30
Tetrachloro-m-xylene [2]	91.5	30-150		5/22/15 19:30

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0435

Date Received: 5/11/2015

Field Sample #: B135-3 Sampled: 5/11/2015 12:14

Sample ID: 15E0435-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	5/20/15	5/21/15 12:10	MRL

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0435

Date Received: 5/11/2015

Field Sample #: B135-4 Sampled: 5/11/2015 12:16

Sample ID: 15E0435-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	6/4/15 15:41	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	6/4/15 15:41	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	6/4/15 15:41	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	6/4/15 15:41	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	6/4/15 15:41	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	6/4/15 15:41	KAL
Aroclor-1260 [2]	0.34	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	6/4/15 15:41	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	6/4/15 15:41	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	6/4/15 15:41	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.7	30-150		6/4/15 15:41
Decachlorobiphenyl [2]	103	30-150		6/4/15 15:41
Tetrachloro-m-xylene [1]	84.3	30-150		6/4/15 15:41
Tetrachloro-m-xylene [2]	94.9	30-150		6/4/15 15:41

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0435

Date Received: 5/11/2015

Field Sample #: B135-4 Sampled: 5/11/2015 12:16

Sample ID: 15E0435-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.7		% Wt	1		SM 2540G	5/20/15	5/21/15 12:10	MRL

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0435-07 [B135-3]	B122223	05/20/15
15E0435-08 [B135-4]	B122223	05/20/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0435-07 [B135-3]	B122261	10.0	10.0	05/21/15
15E0435-08 [B135-4]	B122261	10.1	10.0	05/21/15

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122261 - SW-846 3540C										
Blank (B122261-BLK1)				Prepared: 05/21/15 Analyzed: 05/22/15						
Aroclor-1016	ND	0.019	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1221	ND	0.019	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1232	ND	0.019	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1242	ND	0.019	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1248	ND	0.019	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1254	ND	0.019	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1260	ND	0.019	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1262	ND	0.019	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.019	mg/Kg wet							
Aroclor-1268	ND	0.019	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.019	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.223*		mg/Kg wet	0.192		116	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.223*		mg/Kg wet	0.192		116	30-150			
Surrogate: Tetrachloro-m-xylene	*0.211*		mg/Kg wet	0.192		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.219*		mg/Kg wet	0.192		114	30-150			
LCS (B122261-BS1)				Prepared: 05/21/15 Analyzed: 05/22/15						
Aroclor-1016	0.24	0.099	mg/Kg wet	0.198		121	40-140			
Aroclor-1016 [2C]	0.25	0.099	mg/Kg wet	0.198		125	40-140			
Aroclor-1260	0.23	0.099	mg/Kg wet	0.198		118	40-140			
Aroclor-1260 [2C]	0.24	0.099	mg/Kg wet	0.198		119	40-140			
Surrogate: Decachlorobiphenyl	*0.220*		mg/Kg wet	0.198		111	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.212*		mg/Kg wet	0.198		107	30-150			
Surrogate: Tetrachloro-m-xylene	*0.234*		mg/Kg wet	0.198		118	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.231*		mg/Kg wet	0.198		117	30-150			
LCS Dup (B122261-BSD1)				Prepared: 05/21/15 Analyzed: 05/22/15						
Aroclor-1016	0.26	0.10	mg/Kg wet	0.199		130	40-140	7.60	30	
Aroclor-1016 [2C]	0.26	0.10	mg/Kg wet	0.199		133	40-140	6.73	30	
Aroclor-1260	0.26	0.10	mg/Kg wet	0.199		129	40-140	9.12	30	
Aroclor-1260 [2C]	0.26	0.10	mg/Kg wet	0.199		129	40-140	8.48	30	
Surrogate: Decachlorobiphenyl	*0.235*		mg/Kg wet	0.199		118	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.228*		mg/Kg wet	0.199		114	30-150			
Surrogate: Tetrachloro-m-xylene	*0.247*		mg/Kg wet	0.199		124	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.245*		mg/Kg wet	0.199		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 B122223 - % Solids										
Duplicate (B122223-DUP1)		**Source: 15E0435-07**		Prepared: 05/20/15 Analyzed: 05/21/15						
% Solids	87.7		% Wt		88.1			0.455	20	
Duplicate (B122223-DUP2)		**Source: 15E0435-08**		Prepared: 05/20/15 Analyzed: 05/21/15						
% Solids	87.2		% Wt		86.7			0.575	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B135-3

Lab Sample ID: 15E0435-07 Date(s) Analyzed: 05/22/2015 05/22/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.61	
	2	0.00	-0.03	0.03	0.76	21.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B135-4

Lab Sample ID: 15E0435-08 Date(s) Analyzed: 06/04/2015 06/04/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.29	
	2	0.00	-0.03	0.03	0.34	15.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122261-BS1 Date(s) Analyzed: 05/22/2015 05/22/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.24	
	2	0.00	-0.03	0.03	0.25	5
Aroclor-1260	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.24	2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122261-BSD1 Date(s) Analyzed: 05/22/2015 05/22/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.26	
	2	0.00	-0.03	0.03	0.26	1
Aroclor-1260	1	0.00	-0.03	0.03	0.26	
	2	0.00	-0.03	0.03	0.26	1

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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.

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

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

Jim Georgantas

Subject: FW: PCB activations

Jim,

Can you please extract and analyze sample ID B-135-3 and extract and HOLD samples B-135-4 and -5 from the group collected on May 11.

No additional analyses required for the May 12 samples.

I'll be awaiting the results of the May 13 samples to make those determinations which I assume will be forthcoming later today.

Thank you very much

Ken

Kenneth J. Gendron, P.G., LSP
PROJECT MANAGER
Weston&Sampson®
427 Main Street, Suite 400
Worcester, MA 01608
www.westonandsampson.com
Cell: 508-479-2924
Office: 978-532-1900 ext. 2501

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www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0435

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Project #: 860 513-1483
Rocky Hill, CT 06067
Client PO#: 02274021 Release 00005
Attention: Jeff Willson / Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #: sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
01	B149-3	5/8/15	1134		X	S	U			✓			
02	B149-4		1136							✓			
03	B149-5		1138							✓			
04	B13C-3		1154							✓			
05	B13C-4		1156							✓			
06	B13C-5		1158							✓			
07	B135-3 ☆		1214							✓			
08	B135-4 ☆☆		1216							✓			
09	B135-5		1218							✓			
10	B147-1	↓	1230		↓	↓	↓			✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Hold for future extraction/analysis
Note soxhlet extraction rqmts. for samples and TAT.

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:
5/11/15	
Received by: (signature)	Date/Time:
	5/11/15
Relinquished by: (signature)	Date/Time:
	5/11/15
Received by: (signature)	Date/Time:
	5/11/15 1640

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

15E0435

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473
Address: 273 Dividend Rd Project # 860 513-1483
Rocky Hill, CT 06067 Client PO# 02274021 Release 00005
Attention: Jeff Willson / Leen Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sinatra

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #
Email: sorokca@nu.com gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
11	B147-2	5/11/15	1232		X	S	U			✓	1		
12	B147-3		1234							✓			
13	B147-4		1236							✓			
14	B147-5		1238							✓			
15	B134-3		1244							✓			
16	B134-4		1246							✓			
17	B134-5		1248							✓			
18	B133-3		1304							✓			
19	B133-4		1306							✓			
20	B133-5	↓	1308		↓	↓	↓			✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Hold for future extraction/analysis
Note soxhlet extraction rqmts. for samples and TAT.

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

	Date/Time:
Relinquished by: (signature)	5/11/15
Received by: (signature)	5/11/15
Relinquished by: (signature)	5/11/15
Received by: (signature)	5/11/15 1640

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

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con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Weston and Sampson (NUSCO) RECEIVED BY: JDL DATE: 5/11/15

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

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

If not, explain:

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

If not, explain:

4) How were the samples received:

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.3

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) Location where samples are stored: 19

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

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

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

10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	64
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

Doc# 277
Rev. 4 August 2013

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Page 2 of 2

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

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

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials: JDL

Date/Time:

Date/Time: 5/11/15 1640

Jim Georgantas

Subject: FW: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Good morning Jim,

If you haven't already started the extraction process for the remaining 12 samples (152, 167 & 180) that are out of hold that I gave the go ahead on yesterday, please do not extract those.

The highlighted samples are the samples I need analyzed at this point please.

Thank you

Ken

B-143-1 -2 -3 -4
B-148-1 -2 -3 -4
B-149-1, -2 -3 -4
B-150-1, -2 -3 -4
B-151-1 -2 -3 -4
B-152-1 -2 -3 -4
B-153-1 -2 -3 -4
B-154-1 -2 -3 -4
B-157-1 -2 -3 -4
B-160-1 -2 -3 -4
B-161-1 -2 -3 -4
B-162-1 -2 -3 -4
B-163-1 -2 -3 -4
B-164-1 -2 -3 -4
B-165-1 -2 -3 -4
B-166-1 -2 -3 -4
B-167-1 -2 -3 -4
B-168-1 -2 -3 -4
B-169-1 -2 -3 -4
B-170-1 -2 -3 -4
B-171-1 -2 -3 -4
B-172-1 -2 -3 -4
B-173-1 -2 -3 -4
B-178-1 -2 -3 -4
B-180-1 -2 -3 -4
B-181-1 -2 -3 -4
B-182-1 -2 -3 -4

Thank you very much

Ken

Kenneth J. Gendron, P.G., LSP
PROJECT MANAGER

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0435

Laboratory Sample ID(s):

15E0435-07

Sample Date(s):

05/11/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature: Tod Kopyscinski **Position:** **Laboratory Director**

Printed Name: **Tod E. Kopyscinski** **Date:** **06/02/15**

Name of Laboratory: **Con-Test Analytical Laboratory**

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

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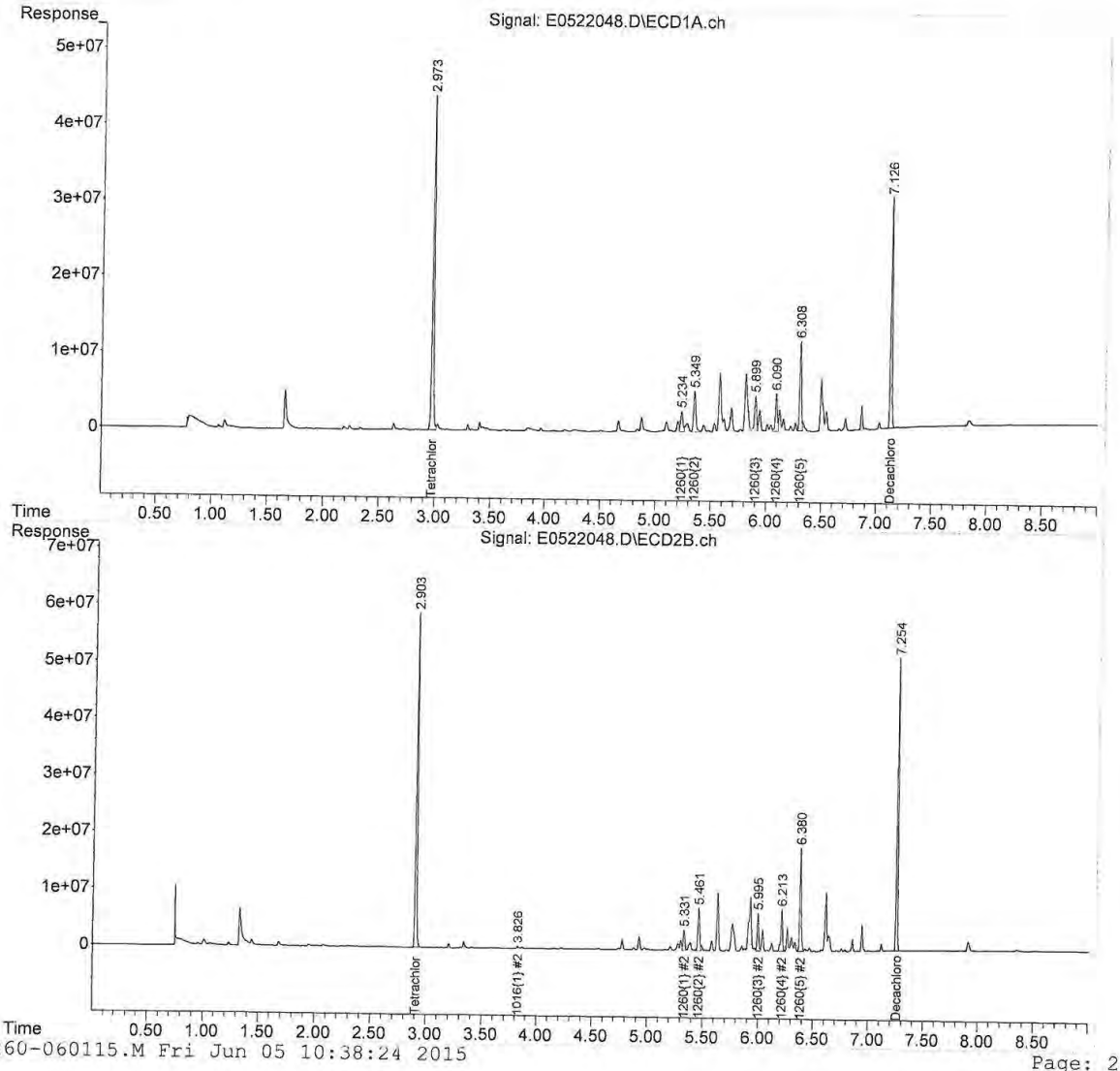
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\052215\
Data File : E0522048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2015 7:30 pm
Operator : JMB
Sample : 15E0435-07@5X TBA Inst : ECD 5
Misc :
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 23 08:30:46 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-051915.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Mon Apr 27 16:37:53 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



5-1260-060115.M Fri Jun 05 10:38:24 2015 Page: 2

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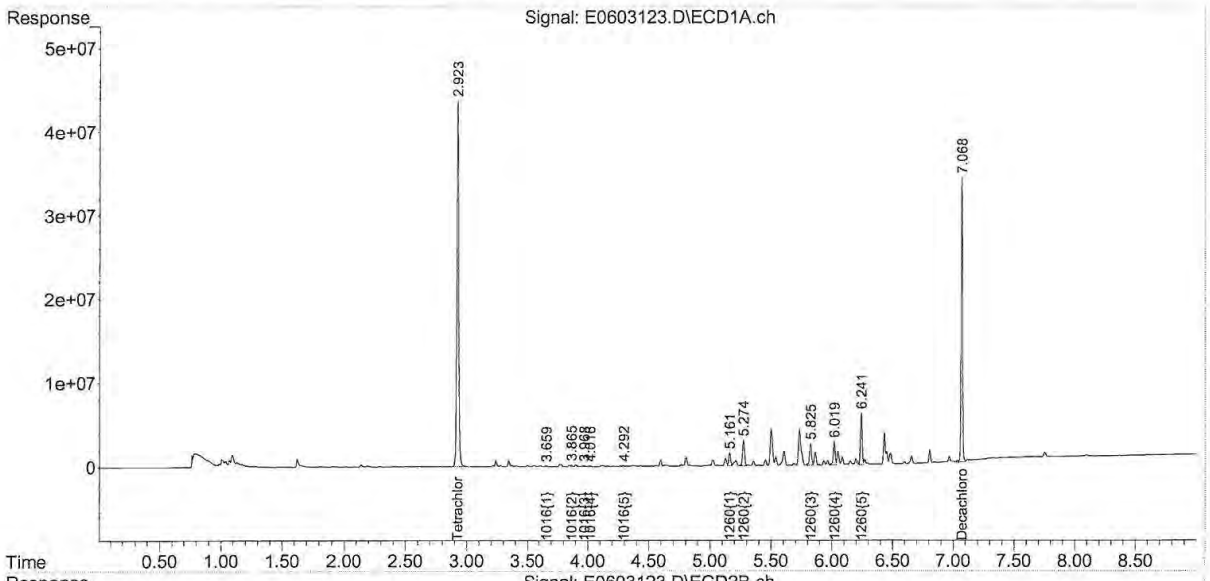
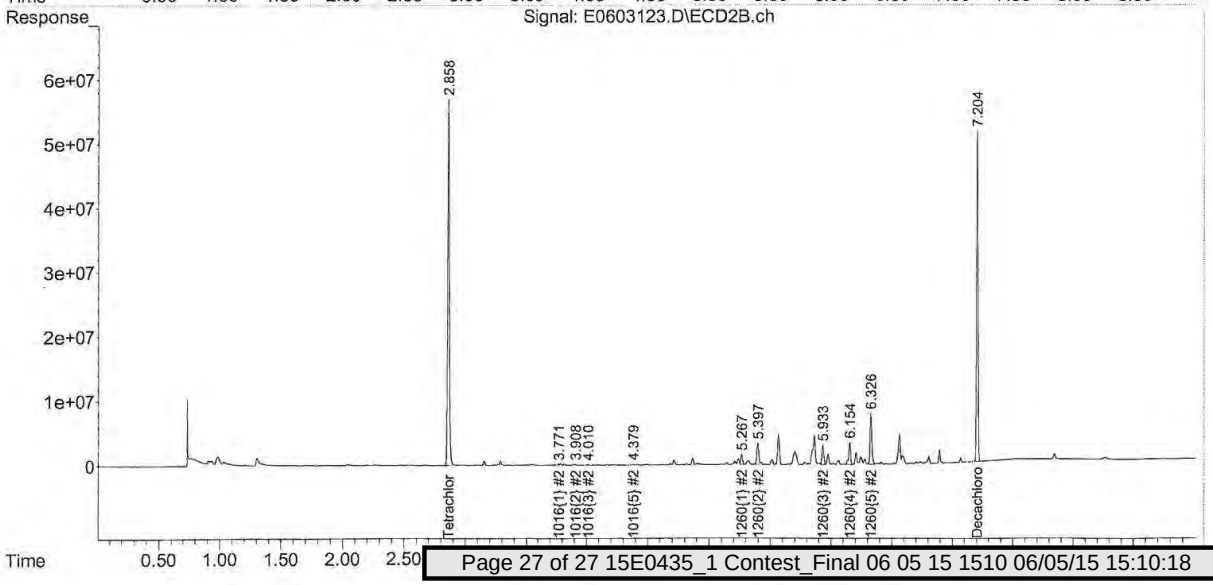
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\060315\
Data File : E0603123.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  4 Jun 2015   3:41 pm
Operator  : JMB
Sample    : 15E0435-08@5X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 24   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: Jun 04 18:24:38 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-060115.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





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

May 21, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0504

Enclosed are results of analyses for samples received by the laboratory on May 12, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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B122040 7
Dual Column RPD Report 8
Flag/Qualifier Summary 10
Certifications 11
Chain of Custody/Sample Receipt 12

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Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 5/21/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0504

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

PROJECT LOCATION: Berlin Settling Pond

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
EB-301	15E0504-01	Equipment Blank Water		SW-846 8082A	

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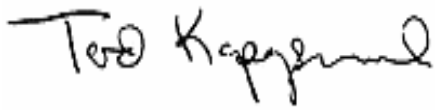
CASE NARRATIVE SUMMARY

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 individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Tod E. Kopyscinski
Laboratory Director

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

Project Location: Berlin Settling Pond | Sample Description: | Work Order: 15E0504

Date Received: 5/12/2015

Field Sample #: EB-301 | Sampled: 5/12/2015 13:15

Sample ID: 15E0504-01

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:05	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:05	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:05	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:05	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:05	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:05	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:05	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:05	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	43.4	30-150		5/20/15 23:05
Decachlorobiphenyl [2]	43.1	30-150		5/20/15 23:05
Tetrachloro-m-xylene [1]	91.4	30-150		5/20/15 23:05
Tetrachloro-m-xylene [2]	93.2	30-150		5/20/15 23:05

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Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0504-01 [EB-301]	B122040	1000	10.0	05/19/15

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con-test® ANALYTICAL LABORATORY
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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 B122040 - SW-846 3510C										
Blank (B122040-BLK1)				Prepared: 05/19/15 Analyzed: 05/20/15						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*2.05*		µg/L	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.08*		µg/L	2.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	*2.02*		µg/L	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.07*		µg/L	2.00		104	30-150			
LCS (B122040-BS1)				Prepared: 05/19/15 Analyzed: 05/20/15						
Aroclor-1016	0.55	0.20	µg/L	0.500		109	40-140			
Aroclor-1016 [2C]	0.52	0.20	µg/L	0.500		103	40-140			
Aroclor-1260	0.51	0.20	µg/L	0.500		102	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Surrogate: Decachlorobiphenyl	*1.90*		µg/L	2.00		95.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.96*		µg/L	2.00		98.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.95*		µg/L	2.00		97.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.01*		µg/L	2.00		101	30-150			
LCS Dup (B122040-BSD1)				Prepared: 05/19/15 Analyzed: 05/20/15						
Aroclor-1016	0.53	0.20	µg/L	0.500		106	40-140	3.15	20	
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		108	40-140	4.92	20	
Aroclor-1260	0.55	0.20	µg/L	0.500		110	40-140	7.20	20	
Aroclor-1260 [2C]	0.55	0.20	µg/L	0.500		111	40-140	7.97	20	
Surrogate: Decachlorobiphenyl	*2.08*		µg/L	2.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.14*		µg/L	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	*2.02*		µg/L	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.08*		µg/L	2.00		104	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122040-BS1 Date(s) Analyzed: 05/20/2015 05/20/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.55	
	2	0.00	0.00	0.00	0.52	5
Aroclor-1260	1	0.00	0.00	0.00	0.51	
	2	0.00	0.00	0.00	0.51	0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122040-BSD1 Date(s) Analyzed: 05/20/2015 05/20/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.53	
	2	0.00	0.00	0.00	0.54	2
Aroclor-1260	1	0.00	0.00	0.00	0.55	
	2	0.00	0.00	0.00	0.55	0

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC

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

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

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0504

Page 1 of 1

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483
Client PO# 02274021 Release 00005
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

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

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
								A			1	I	A
01	EB-301	5/12/15	1315		X	O	U	✓	✓				

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

mments:
lote soxhlet extraction rqmts. for samples and TAT.

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)	5/12/15	Date/Time:
ceived by: (signature)		Date/Time: 5.12.15 1755
inquished by: (signature)†		Date/Time: 5/12/15 17:35
ceived by: (signature)	5.1 5/12/15	Date/Time: 1735

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 Form Required
● RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA
NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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

con-test® ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Weston and Sampson (NUSCO) **RECEIVED BY:** JDL **DATE:** 5/12/15

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

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

If not, explain:

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

If not, explain:

4) **How were the samples received:**

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.1

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

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

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

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

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

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

Laboratory Comments:

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

Time and Date Frozen:

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Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

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

Doc #277 Rev. 4 August 2013

Who notified of False statements?

Log-In Technician Initials: JDL

Date/Time:

Date/Time: 5/12/15 1735

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond

Project Number: 15E0504

Laboratory Sample ID(s):

15E0504-01

Sample Date(s):

05/12/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature: Tod Kopyscinski **Position:** **Laboratory Director**

Printed Name: **Tod E. Kopyscinski** **Date:** **05/21/15**

Name of Laboratory: **Con-Test Analytical Laboratory**

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

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

May 19, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0509

Enclosed are results of analyses for samples received by the laboratory on May 12, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 5/19/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0509

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B138-1	15E0509-01	Soil		SM 2540G	
				SW-846 8082A	
B138-2	15E0509-02	Soil		SM 2540G	
				SW-846 8082A	
B139-1	15E0509-03	Soil		SM 2540G	
				SW-846 8082A	
B139-2	15E0509-04	Soil		SM 2540G	
				SW-846 8082A	
B176-1	15E0509-05	Soil		SM 2540G	
				SW-846 8082A	
B176-2	15E0509-06	Soil		SM 2540G	
				SW-846 8082A	
B177-1	15E0509-07	Soil		SM 2540G	
				SW-846 8082A	
B177-2	15E0509-08	Soil		SM 2540G	
				SW-846 8082A	
B179-1	15E0509-09	Soil		SM 2540G	
				SW-846 8082A	
B179-2	15E0509-10	Soil		SM 2540G	
				SW-846 8082A	
B140-1	15E0509-11	Soil		SM 2540G	
				SW-846 8082A	
B140-2	15E0509-12	Soil		SM 2540G	
				SW-846 8082A	
Dup-204	15E0509-13	Soil		SM 2540G	
				SW-846 8082A	
Dup-205	15E0509-14	Soil		SM 2540G	
				SW-846 8082A	

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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 8082A

Qualifications:

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.

Analyte & Samples(s) Qualified:

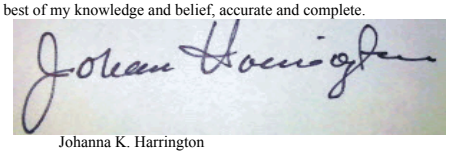
Decachlorobiphenyl
15E0509-05[B176-1]

Decachlorobiphenyl [2C]
15E0509-05[B176-1]

Tetrachloro-m-xylene
15E0509-05[B176-1]

Tetrachloro-m-xylene [2C]
15E0509-05[B176-1]

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



Johanna K. Harrington
Manager, Laboratory Reporting

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B138-1 Sampled: 5/12/2015 09:50

Sample ID: 15E0509-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:46	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:46	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:46	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:46	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:46	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:46	JMB
Aroclor-1260 [2]	0.35	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:46	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:46	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.9	30-150		5/14/15 22:46
Decachlorobiphenyl [2]	77.4	30-150		5/14/15 22:46
Tetrachloro-m-xylene [1]	77.8	30-150		5/14/15 22:46
Tetrachloro-m-xylene [2]	86.4	30-150		5/14/15 22:46

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B138-1 Sampled: 5/12/2015 09:50

Sample ID: 15E0509-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.9		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B138-2 Sampled: 5/12/2015 09:52

Sample ID: 15E0509-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:59	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:59	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:59	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:59	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:59	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:59	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:59	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:59	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 22:59	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.2	30-150		5/14/15 22:59
Decachlorobiphenyl [2]	77.5	30-150		5/14/15 22:59
Tetrachloro-m-xylene [1]	79.1	30-150		5/14/15 22:59
Tetrachloro-m-xylene [2]	87.5	30-150		5/14/15 22:59

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B138-2 Sampled: 5/12/2015 09:52

Sample ID: 15E0509-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B139-1 Sampled: 5/12/2015 10:00

Sample ID: 15E0509-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.57	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 8:48	JMB
Aroclor-1221 [1]	ND	0.57	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 8:48	JMB
Aroclor-1232 [1]	ND	0.57	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 8:48	JMB
Aroclor-1242 [1]	ND	0.57	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 8:48	JMB
Aroclor-1248 [1]	ND	0.57	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 8:48	JMB
Aroclor-1254 [1]	ND	0.57	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 8:48	JMB
Aroclor-1260 [2]	5.2	0.57	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 8:48	JMB
Aroclor-1262 [1]	ND	0.57	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 8:48	JMB
Aroclor-1268 [1]	ND	0.57	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 8:48	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	90.1	30-150				5/15/15	8:48
Decachlorobiphenyl [2]	90.6	30-150				5/15/15	8:48
Tetrachloro-m-xylene [1]	85.4	30-150				5/15/15	8:48
Tetrachloro-m-xylene [2]	99.5	30-150				5/15/15	8:48

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B139-1 Sampled: 5/12/2015 10:00

Sample ID: 15E0509-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B139-2 Sampled: 5/12/2015 10:02

Sample ID: 15E0509-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:25	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:25	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:25	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:25	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:25	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:25	JMB
Aroclor-1260 [2]	0.15	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:25	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:25	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.7	30-150		5/14/15 23:25
Decachlorobiphenyl [2]	86.2	30-150		5/14/15 23:25
Tetrachloro-m-xylene [1]	84.7	30-150		5/14/15 23:25
Tetrachloro-m-xylene [2]	93.7	30-150		5/14/15 23:25

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B139-2 Sampled: 5/12/2015 10:02

Sample ID: 15E0509-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B176-1 Sampled: 5/12/2015 10:40

Sample ID: 15E0509-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/13/15	5/15/15 9:01	JMB
Aroclor-1221 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/13/15	5/15/15 9:01	JMB
Aroclor-1232 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/13/15	5/15/15 9:01	JMB
Aroclor-1242 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/13/15	5/15/15 9:01	JMB
Aroclor-1248 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/13/15	5/15/15 9:01	JMB
Aroclor-1254 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/13/15	5/15/15 9:01	JMB
Aroclor-1260 [2]	12	1.3	mg/Kg dry	50		SW-846 8082A	5/13/15	5/15/15 9:01	JMB
Aroclor-1262 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/13/15	5/15/15 9:01	JMB
Aroclor-1268 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/13/15	5/15/15 9:01	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/15/15 9:01
Decachlorobiphenyl [2]	*	30-150	S-01	5/15/15 9:01
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/15/15 9:01
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/15/15 9:01

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B176-1 Sampled: 5/12/2015 10:40

Sample ID: 15E0509-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.8		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B176-2 Sampled: 5/12/2015 10:42

Sample ID: 15E0509-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:51	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:51	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:51	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:51	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:51	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:51	JMB
Aroclor-1260 [2]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:51	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:51	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/14/15 23:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	86.4	30-150				5/14/15 23:51	
Decachlorobiphenyl [2]	83.4	30-150				5/14/15 23:51	
Tetrachloro-m-xylene [1]	82.6	30-150				5/14/15 23:51	
Tetrachloro-m-xylene [2]	92.3	30-150				5/14/15 23:51	

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B176-2 Sampled: 5/12/2015 10:42

Sample ID: 15E0509-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.1		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B177-1 Sampled: 5/12/2015 11:10

Sample ID: 15E0509-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:14	JMB
Aroclor-1221 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:14	JMB
Aroclor-1232 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:14	JMB
Aroclor-1242 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:14	JMB
Aroclor-1248 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:14	JMB
Aroclor-1254 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:14	JMB
Aroclor-1260 [2]	2.1	0.25	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:14	JMB
Aroclor-1262 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:14	JMB
Aroclor-1268 [1]	ND	0.25	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.5	30-150		5/15/15 9:14
Decachlorobiphenyl [2]	82.7	30-150		5/15/15 9:14
Tetrachloro-m-xylene [1]	80.5	30-150		5/15/15 9:14
Tetrachloro-m-xylene [2]	89.2	30-150		5/15/15 9:14

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B177-1 Sampled: 5/12/2015 11:10

Sample ID: 15E0509-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.2		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B177-2 Sampled: 5/12/2015 11:12

Sample ID: 15E0509-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:17	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:17	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:17	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:17	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:17	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:17	JMB
Aroclor-1260 [2]	0.37	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:17	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:17	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	83.0	30-150				5/15/15	0:17
Decachlorobiphenyl [2]	81.2	30-150				5/15/15	0:17
Tetrachloro-m-xylene [1]	81.1	30-150				5/15/15	0:17
Tetrachloro-m-xylene [2]	89.1	30-150				5/15/15	0:17

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B177-2 Sampled: 5/12/2015 11:12

Sample ID: 15E0509-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.9		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B179-1 Sampled: 5/12/2015 12:00

Sample ID: 15E0509-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:27	JMB
Aroclor-1221 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:27	JMB
Aroclor-1232 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:27	JMB
Aroclor-1242 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:27	JMB
Aroclor-1248 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:27	JMB
Aroclor-1254 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:27	JMB
Aroclor-1260 [2]	2.2	0.23	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:27	JMB
Aroclor-1262 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:27	JMB
Aroclor-1268 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/13/15	5/15/15 9:27	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	82.3	30-150				5/15/15	9:27
Decachlorobiphenyl [2]	95.9	30-150				5/15/15	9:27
Tetrachloro-m-xylene [1]	86.9	30-150				5/15/15	9:27
Tetrachloro-m-xylene [2]	93.2	30-150				5/15/15	9:27

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B179-1 Sampled: 5/12/2015 12:00

Sample ID: 15E0509-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.3		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B179-2 Sampled: 5/12/2015 12:02

Sample ID: 15E0509-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:43	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:43	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:43	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:43	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:43	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:43	JMB
Aroclor-1260 [2]	0.39	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:43	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:43	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 0:43	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.4	30-150		5/15/15 0:43
Decachlorobiphenyl [2]	80.6	30-150		5/15/15 0:43
Tetrachloro-m-xylene [1]	79.1	30-150		5/15/15 0:43
Tetrachloro-m-xylene [2]	86.1	30-150		5/15/15 0:43

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B179-2 Sampled: 5/12/2015 12:02

Sample ID: 15E0509-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.3		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B140-1 Sampled: 5/12/2015 12:20

Sample ID: 15E0509-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 9:40	JMB
Aroclor-1221 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 9:40	JMB
Aroclor-1232 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 9:40	JMB
Aroclor-1242 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 9:40	JMB
Aroclor-1248 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 9:40	JMB
Aroclor-1254 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 9:40	JMB
Aroclor-1260 [2]	2.5	0.58	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 9:40	JMB
Aroclor-1262 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 9:40	JMB
Aroclor-1268 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/13/15	5/15/15 9:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	92.7	30-150				5/15/15	9:40
Decachlorobiphenyl [2]	94.8	30-150				5/15/15	9:40
Tetrachloro-m-xylene [1]	86.8	30-150				5/15/15	9:40
Tetrachloro-m-xylene [2]	100	30-150				5/15/15	9:40

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B140-1 Sampled: 5/12/2015 12:20

Sample ID: 15E0509-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.1		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B140-2 Sampled: 5/12/2015 12:22

Sample ID: 15E0509-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:09	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:09	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:09	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:09	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:09	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:09	JMB
Aroclor-1260 [2]	0.23	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:09	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:09	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:09	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	82.5	30-150				5/15/15 1:09	
Decachlorobiphenyl [2]	79.9	30-150				5/15/15 1:09	
Tetrachloro-m-xylene [1]	81.3	30-150				5/15/15 1:09	
Tetrachloro-m-xylene [2]	91.7	30-150				5/15/15 1:09	

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: B140-2 Sampled: 5/12/2015 12:22

Sample ID: 15E0509-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.6		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: Dup-204 Sampled: 5/12/2015 00:00

Sample ID: 15E0509-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:22	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:22	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:22	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:22	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:22	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:22	JMB
Aroclor-1260 [2]	0.70	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:22	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:22	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:22	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.9	30-150		5/15/15 1:22
Decachlorobiphenyl [2]	80.2	30-150		5/15/15 1:22
Tetrachloro-m-xylene [1]	84.8	30-150		5/15/15 1:22
Tetrachloro-m-xylene [2]	96.0	30-150		5/15/15 1:22

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: Dup-204 Sampled: 5/12/2015 00:00

Sample ID: 15E0509-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.0		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: Dup-205 Sampled: 5/12/2015 00:00

Sample ID: 15E0509-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:35	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:35	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:35	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:35	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:35	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:35	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:35	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:35	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/13/15	5/15/15 1:35	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.7	30-150		5/15/15 1:35
Decachlorobiphenyl [2]	87.5	30-150		5/15/15 1:35
Tetrachloro-m-xylene [1]	86.5	30-150		5/15/15 1:35
Tetrachloro-m-xylene [2]	97.1	30-150		5/15/15 1:35

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0509

Date Received: 5/12/2015

Field Sample #: Dup-205 Sampled: 5/12/2015 00:00

Sample ID: 15E0509-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.6		% Wt	1		SM 2540G	5/14/15	5/15/15 9:55	MRL

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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
15E0509-01 [B138-1]	B121724	05/14/15
15E0509-02 [B138-2]	B121724	05/14/15
15E0509-03 [B139-1]	B121724	05/14/15
15E0509-04 [B139-2]	B121724	05/14/15
15E0509-05 [B176-1]	B121724	05/14/15
15E0509-06 [B176-2]	B121724	05/14/15
15E0509-07 [B177-1]	B121724	05/14/15
15E0509-08 [B177-2]	B121724	05/14/15
15E0509-09 [B179-1]	B121724	05/14/15
15E0509-10 [B179-2]	B121724	05/14/15
15E0509-11 [B140-1]	B121724	05/14/15
15E0509-12 [B140-2]	B121724	05/14/15
15E0509-13 [Dup-204]	B121724	05/14/15
15E0509-14 [Dup-205]	B121724	05/14/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0509-01 [B138-1]	B121653	10.2	10.0	05/13/15
15E0509-02 [B138-2]	B121653	10.2	10.0	05/13/15
15E0509-03 [B139-1]	B121653	10.2	10.0	05/13/15
15E0509-04 [B139-2]	B121653	10.1	10.0	05/13/15
15E0509-05 [B176-1]	B121653	10.1	10.0	05/13/15
15E0509-06 [B176-2]	B121653	10.2	10.0	05/13/15
15E0509-07 [B177-1]	B121653	10.1	10.0	05/13/15
15E0509-08 [B177-2]	B121653	10.2	10.0	05/13/15
15E0509-09 [B179-1]	B121653	10.3	10.0	05/13/15
15E0509-10 [B179-2]	B121653	10.2	10.0	05/13/15
15E0509-11 [B140-1]	B121653	10.2	10.0	05/13/15
15E0509-12 [B140-2]	B121653	10.2	10.0	05/13/15
15E0509-13 [Dup-204]	B121653	10.1	10.0	05/13/15
15E0509-14 [Dup-205]	B121653	10.2	10.0	05/13/15

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121653 - SW-846 3540C										
Blank (B121653-BLK1)				Prepared: 05/13/15 Analyzed: 05/14/15						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.160*		mg/Kg wet	0.196		81.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.152*		mg/Kg wet	0.196		77.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.155*		mg/Kg wet	0.196		79.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.168*		mg/Kg wet	0.196		85.8	30-150			
LCS (B121653-BS1)				Prepared: 05/13/15 Analyzed: 05/14/15						
Aroclor-1016	0.18	0.097	mg/Kg wet	0.193		93.2	40-140			
Aroclor-1016 [2C]	0.20	0.097	mg/Kg wet	0.193		102	40-140			
Aroclor-1260	0.17	0.097	mg/Kg wet	0.193		89.9	40-140			
Aroclor-1260 [2C]	0.19	0.097	mg/Kg wet	0.193		100	40-140			
Surrogate: Decachlorobiphenyl	*0.157*		mg/Kg wet	0.193		81.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.150*		mg/Kg wet	0.193		77.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.153*		mg/Kg wet	0.193		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.166*		mg/Kg wet	0.193		86.0	30-150			
LCS Dup (B121653-BSD1)				Prepared: 05/13/15 Analyzed: 05/14/15						
Aroclor-1016	0.19	0.099	mg/Kg wet	0.197		98.7	40-140	7.78	30	
Aroclor-1016 [2C]	0.21	0.099	mg/Kg wet	0.197		108	40-140	8.04	30	
Aroclor-1260	0.19	0.099	mg/Kg wet	0.197		94.2	40-140	6.72	30	
Aroclor-1260 [2C]	0.21	0.099	mg/Kg wet	0.197		106	40-140	7.42	30	
Surrogate: Decachlorobiphenyl	*0.163*		mg/Kg wet	0.197		82.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.155*		mg/Kg wet	0.197		78.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.161*		mg/Kg wet	0.197		81.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.177*		mg/Kg wet	0.197		89.6	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121653 - SW-846 3540C										
Matrix Spike (B121653-MS1)	**Source: 15E0509-01**			Prepared: 05/13/15 Analyzed: 05/15/15						
Aroclor-1016	0.23	0.11	mg/Kg dry	0.227	ND	102	40-140			
Aroclor-1016 [2C]	0.26	0.11	mg/Kg dry	0.227	ND	113	40-140			
Aroclor-1260	0.51	0.11	mg/Kg dry	0.227	0.29	95.7	40-140			
Aroclor-1260 [2C]	0.59	0.11	mg/Kg dry	0.227	0.35	107	40-140			
Surrogate: Decachlorobiphenyl	*0.186*		mg/Kg dry	0.227		81.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.181*		mg/Kg dry	0.227		79.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.187*		mg/Kg dry	0.227		82.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.210*		mg/Kg dry	0.227		92.4	30-150			
Matrix Spike Dup (B121653-MSD1)	**Source: 15E0509-01**			Prepared: 05/13/15 Analyzed: 05/15/15						
Aroclor-1016	0.26	0.11	mg/Kg dry	0.227	ND	112	40-140	9.28	50	
Aroclor-1016 [2C]	0.26	0.11	mg/Kg dry	0.227	ND	116	40-140	2.51	50	
Aroclor-1260	0.54	0.11	mg/Kg dry	0.227	0.29	111	40-140	6.33	50	
Aroclor-1260 [2C]	0.64	0.11	mg/Kg dry	0.227	0.35	131	40-140	8.71	50	
Surrogate: Decachlorobiphenyl	*0.200*		mg/Kg dry	0.227		88.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.194*		mg/Kg dry	0.227		85.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.187*		mg/Kg dry	0.227		82.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.210*		mg/Kg dry	0.227		92.4	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 B121724 - % Solids										
Duplicate (B121724-DUP3)	**Source: 15E0509-01**		Prepared: 05/14/15 Analyzed: 05/15/15							
% Solids	86.5		% Wt		86.9			0.461	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B138-1

Lab Sample ID: 15E0509-01 Date(s) Analyzed: 05/14/2015 05/14/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.29	
	2	0.00	-0.03	0.03	0.35	18.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B139-1

Lab Sample ID: 15E0509-03 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	4.5	
	2	0.00	-0.03	0.03	5.2	15.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B139-2

Lab Sample ID: 15E0509-04 Date(s) Analyzed: 05/14/2015 05/14/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.13	
	2	0.00	-0.03	0.03	0.15	17.4

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con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B176-1

Lab Sample ID: 15E0509-05 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	10	
	2	0.00	-0.03	0.03	12	18.2

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B177-1

Lab Sample ID: 15E0509-07 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	1.8	
	2	0.00	-0.03	0.03	2.1	18.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B177-2

Lab Sample ID: 15E0509-08 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.31	
	2	0.00	-0.03	0.03	0.37	18.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B179-1

Lab Sample ID: 15E0509-09 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	1.8	
	2	0.00	-0.03	0.03	2.2	21.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B179-2

Lab Sample ID: 15E0509-10 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.33	
	2	0.00	-0.03	0.03	0.39	18.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B140-1

Lab Sample ID: 15E0509-11 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	2.0	
	2	0.00	-0.03	0.03	2.5	21.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B140-2

Lab Sample ID: 15E0509-12 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.23	21.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Dup-204

Lab Sample ID: 15E0509-13 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.59	
	2	0.00	-0.03	0.03	0.70	17.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B121653-BS1 Date(s) Analyzed: 05/14/2015 05/14/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.20	11
Aroclor-1260	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.19	9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B121653-BSD1 Date(s) Analyzed: 05/14/2015 05/14/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.21	7
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.21	12

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B121653-MS1 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.26	11
Aroclor-1260	1	0.00	-0.03	0.03	0.51	
	2	0.00	-0.03	0.03	0.59	15

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B121653-MSD1 Date(s) Analyzed: 05/15/2015 05/15/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.26	
	2	0.00	-0.03	0.03	0.26	2
Aroclor-1260	1	0.00	-0.03	0.03	0.54	
	2	0.00	-0.03	0.03	0.64	16

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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.
	No results have been blank subtracted unless specified in the case narrative section.
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 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

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

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

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Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Page 1 of 2

15E0509

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Project # 860 513-1483
Rocky Hill, CT 06067
Client PO# 02274021 Release 00005
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

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

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
01	B138-1	5-12-15	0950		X	S	U	✓	✓		1	I	A
02	B138-2	↓	0952		↓	↓	↓	✓	✓				
03	B139-1		1000					✓	✓				
04	B139-2		1002					✓	✓				
05	B176-1		1040					✓	✓				
06	B176-2		1042					✓	✓				
07	B177-1		1110					✓	✓				
08	B177-2		1112					✓	✓				
09	B179-1		1200					✓	✓				
10	B179-2	↓	1202		↓	↓	↓	✓	✓				

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:
[signature] 5-12-15	
Received by: (signature)	Date/Time: 5.12.15 1735
[signature]	
Relinquished by: (signature)	Date/Time: 5/12/15 1735
[signature]	
Received by: (signature) 5.1 5/12/15	Date/Time: 1735

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac ACCREDITED LABORATORY AIHA
NELAC & AIHA Certified
WBE/DBE Certified

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

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39 Spruce Street
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CHAIN OF CUSTODY RECORD

15E0509

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Project #: 860 513-1483
Rocky Hill, CT 06067
Client PO#: 02274021 Release 00005
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #: sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples
11	B140-1	5-12-15	1220		X	S	U	1	I	A	✓	✓	
12	B140-2	↓	1222		↓	↓	↓				✓	✓	
13	Dup-204	↓	—		↓	↓	↓				✓	✓	
14	Dup-205	↓	—		↓	↓	↓				✓	✓	

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:
Note soxhlet extraction rqmts. for samples and TAT.

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)	5-12-15	Date/Time:
Received by: (signature)		Date/Time: 5/12/15 1725
Relinquished by: (signature)		Date/Time: 5/12/15 1735
Received by: (signature)	5.1 5/12/15	Date/Time: 1735

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA
NELAC & AIHA Certified
WBE/DBE Certified

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

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East Longmeadow, MA. 01028
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F: 413-525-6405
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Sample Receipt Checklist

CLIENT NAME: Weston and Sampson (WASCO) **RECEIVED BY:** TDL **DATE:** 5/12/15

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

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

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

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.1

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

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

7) **Location where samples are stored:** 19

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

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

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

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	14
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

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

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** DDL **Date/Time:** 5/12/15 1735

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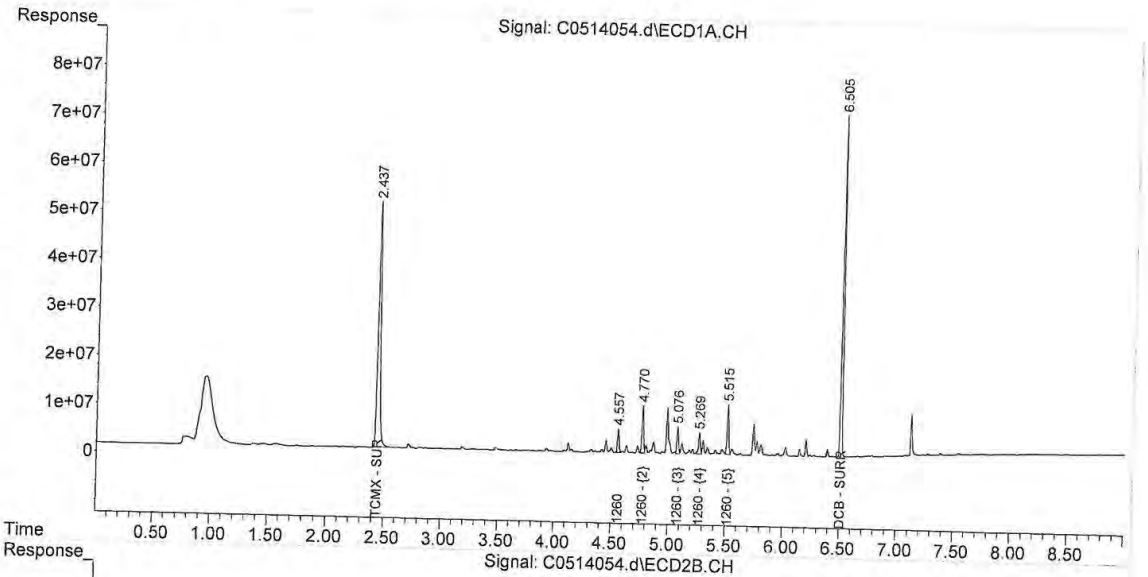
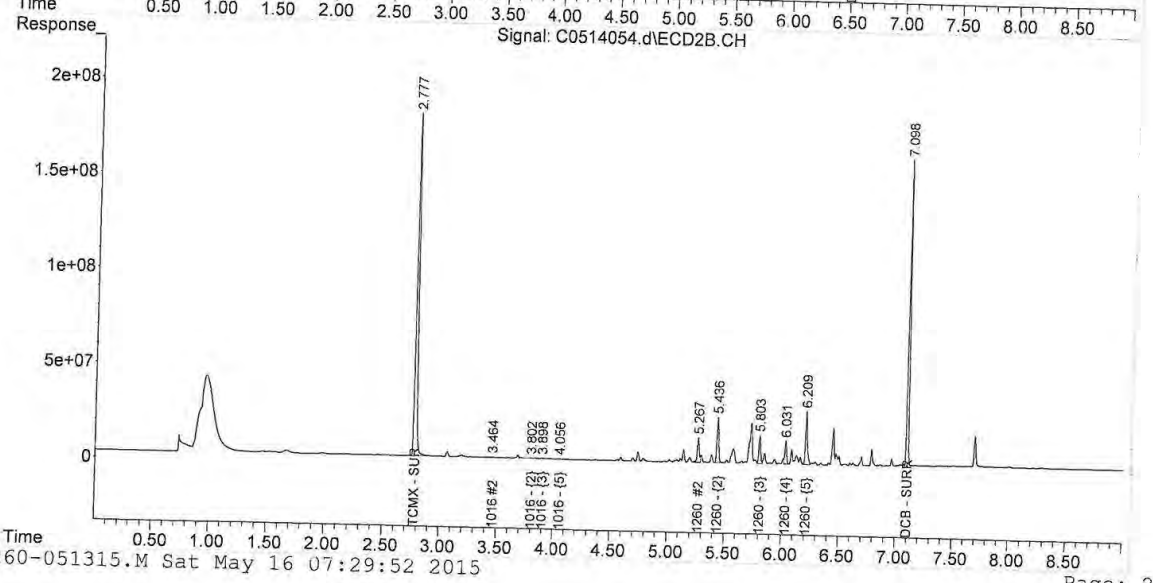
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051415\
Data File : C0514054.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2015 22:46 pm
Operator : JMB
Sample : 15E0509-01@5X
Misc :
Inst : DUAL ECD3
ALS Vial : 54 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:29:51 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





3-1260-051315.M Sat May 16 07:29:52 2015

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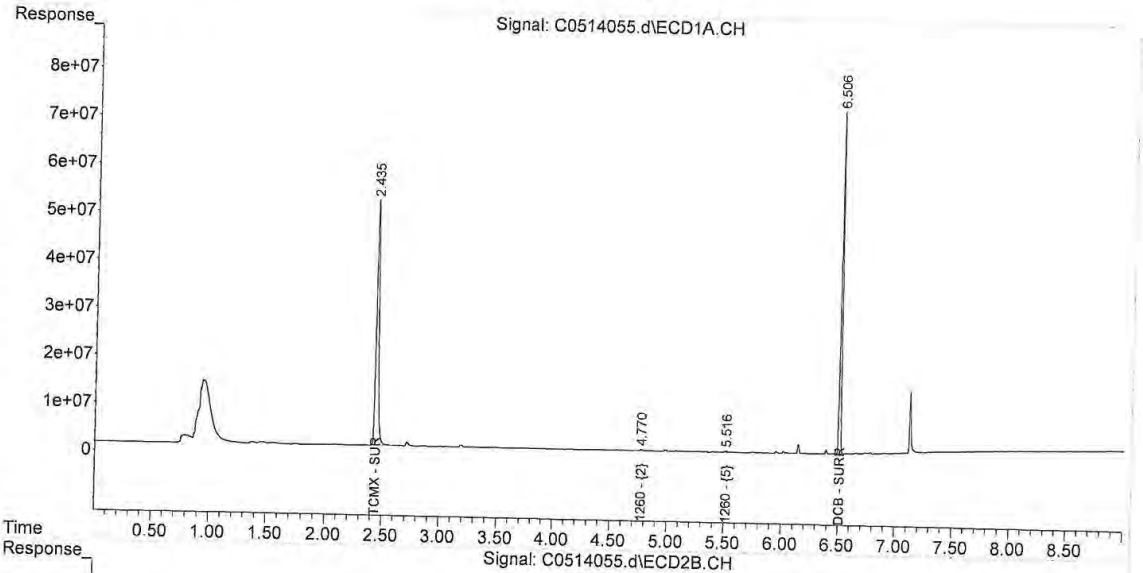
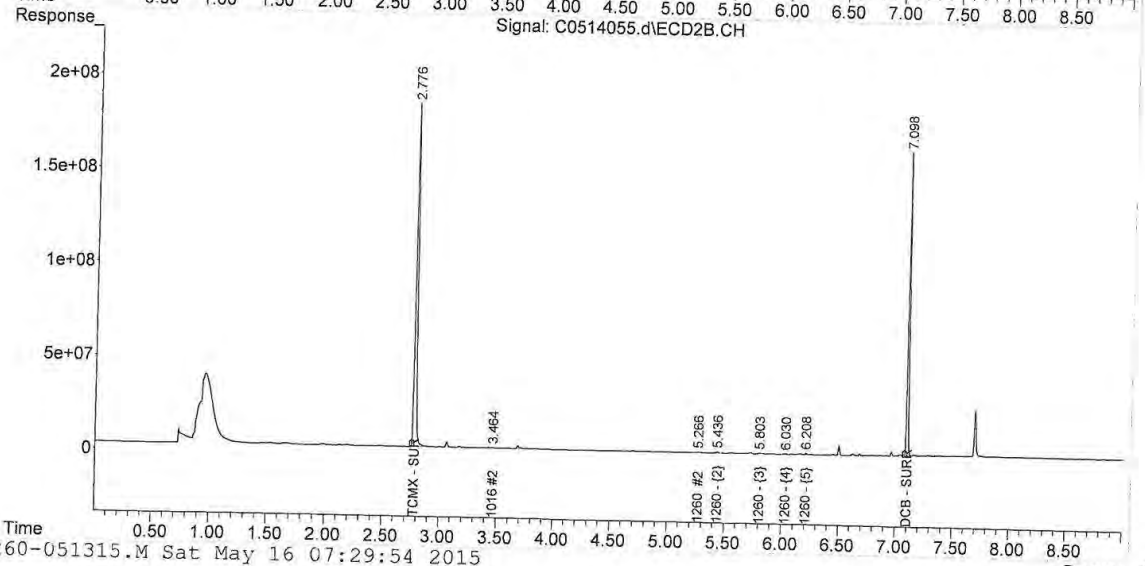
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051415\
Data File : C0514055.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2015 22:59 pm
Operator : JMB
Sample : 15E0509-02@5X
Misc :
Inst : DUAL ECD3
ALS Vial : 55 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:29:54 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





3-1260-051315.M Sat May 16 07:29:54 2015

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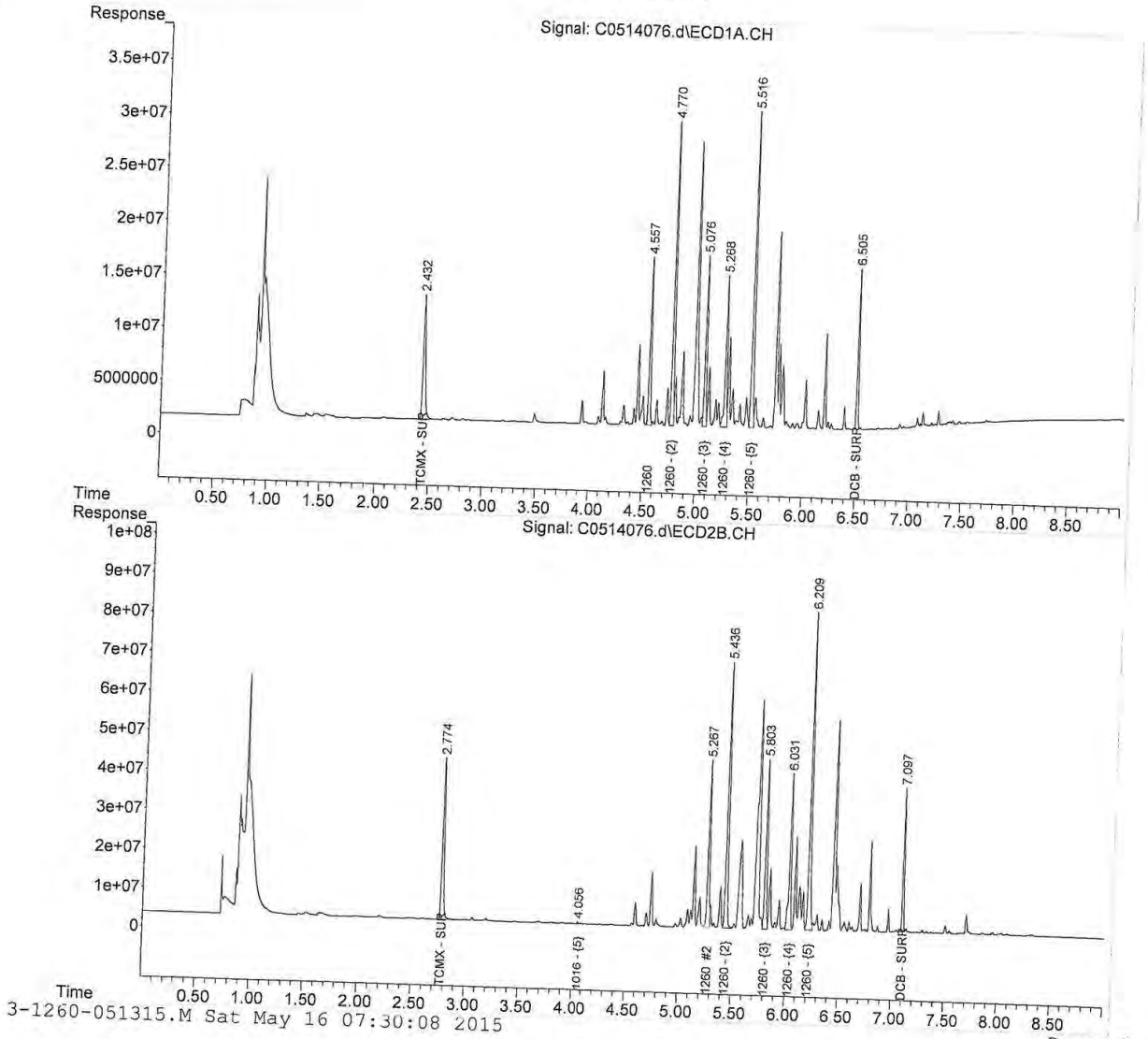
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051415\
Data File : C0514076.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2015 8:48 am
Operator : JMB
Sample : 15E0509-03@25X
Misc : Inst : DUAL ECD3
ALS Vial : 76 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:30:08 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



3-1260-051315.M Sat May 16 07:30:08 2015

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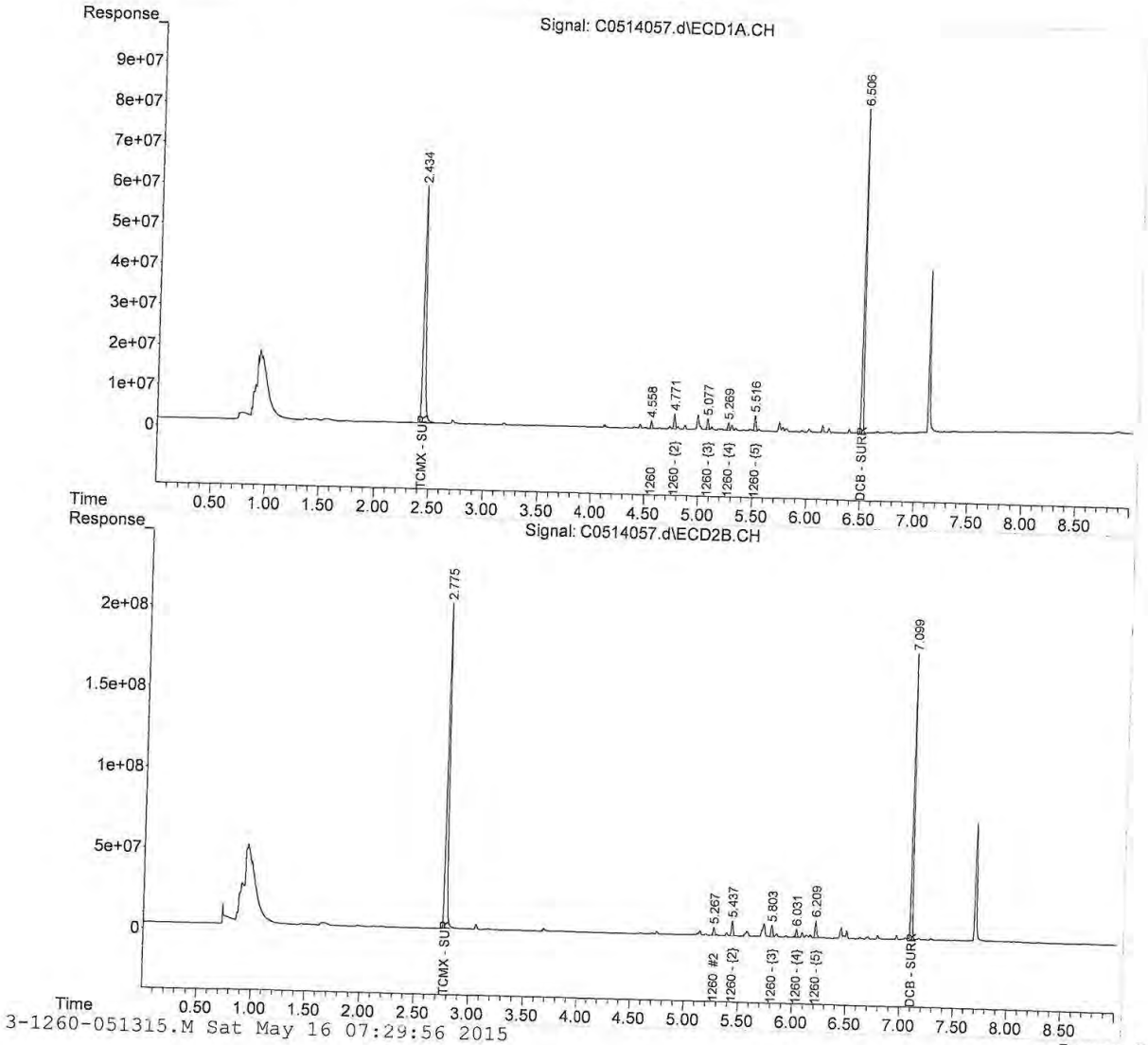
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051415\
Data File : C0514057.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2015 23:25 pm
Operator : JMB
Sample : 15E0509-04@5X
Misc : Inst : DUAL ECD3
ALS Vial : 57 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:29:56 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



3-1260-051315.M Sat May 16 07:29:56 2015

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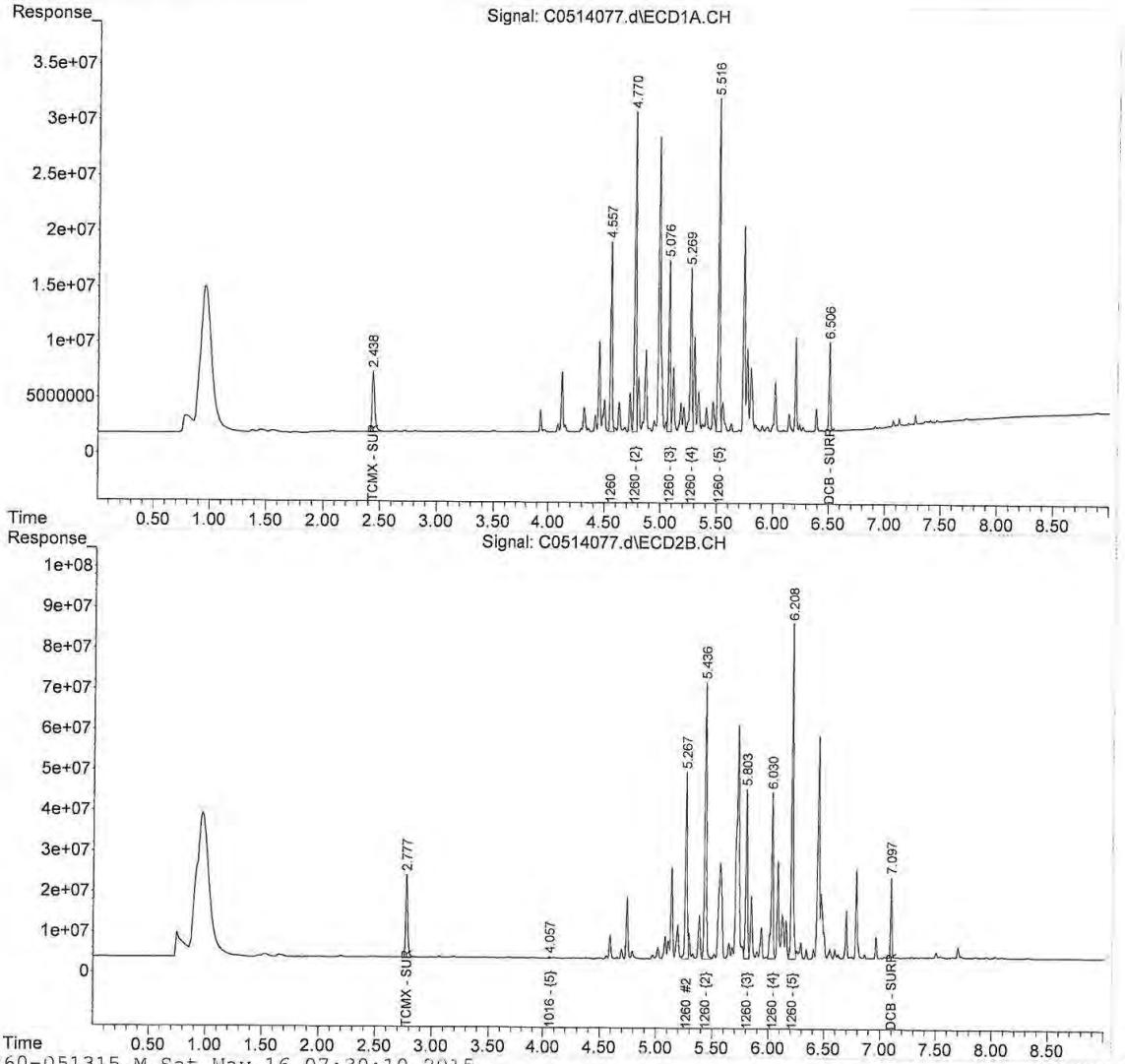
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051415\
Data File : C0514077.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2015 9:01 am
Operator : JMB
Sample : 15E0509-05@50X Inst : DUAL ECD3
Misc :
ALS Vial : 77 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:30:10 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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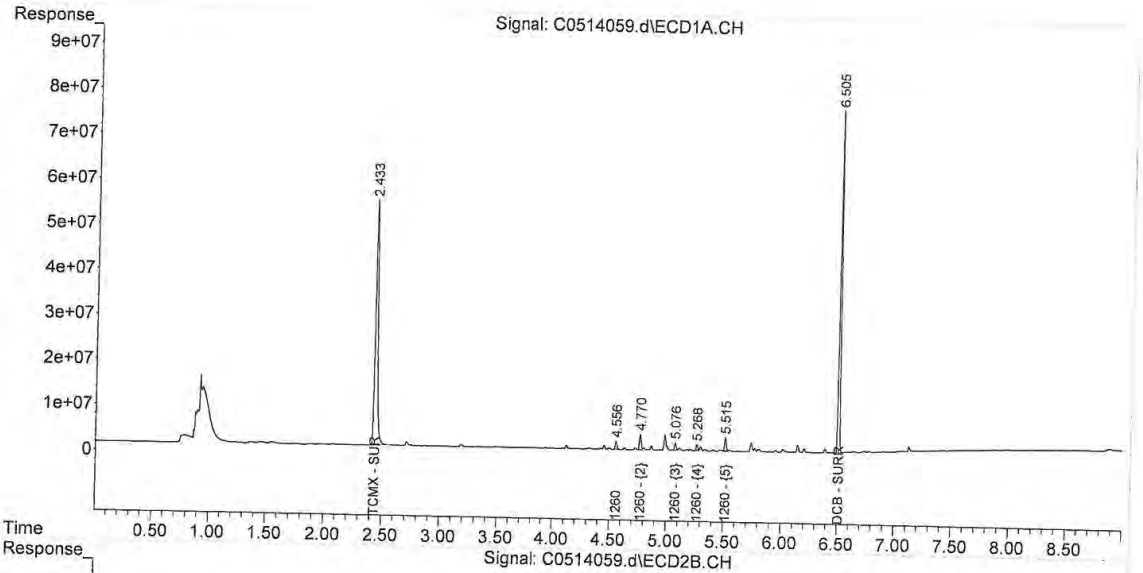
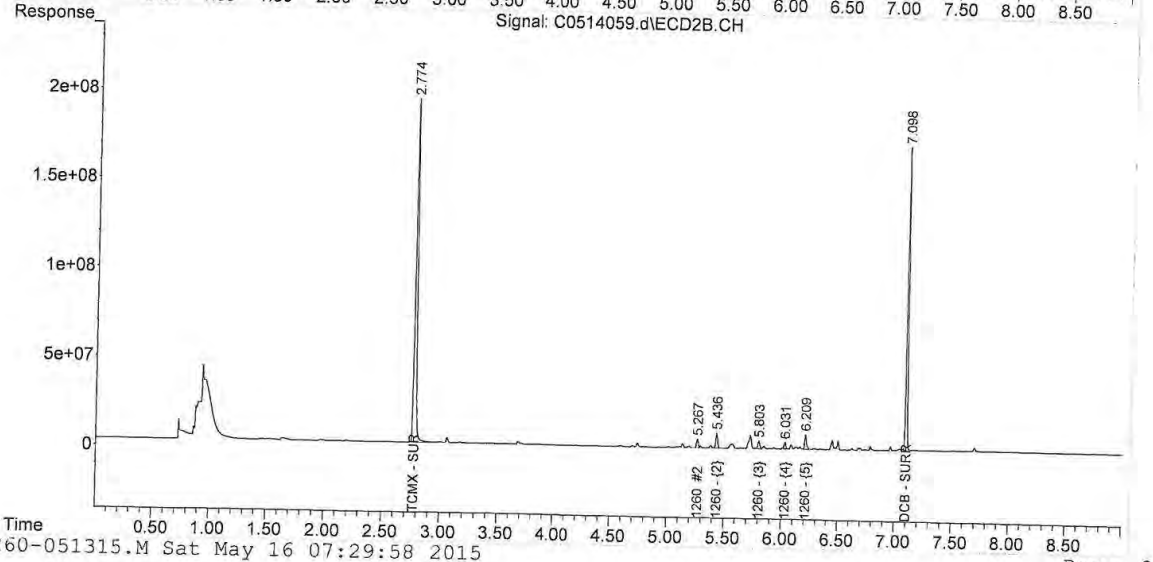
Data Path : C:\msdchem\1\data\051415\
Data File : C0514059.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 14 May 2015 23:51 pm
Operator : JMB
Sample : 15E0509-06@5X Inst : DUAL ECD3
Misc :
ALS Vial : 59 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:29:58 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :





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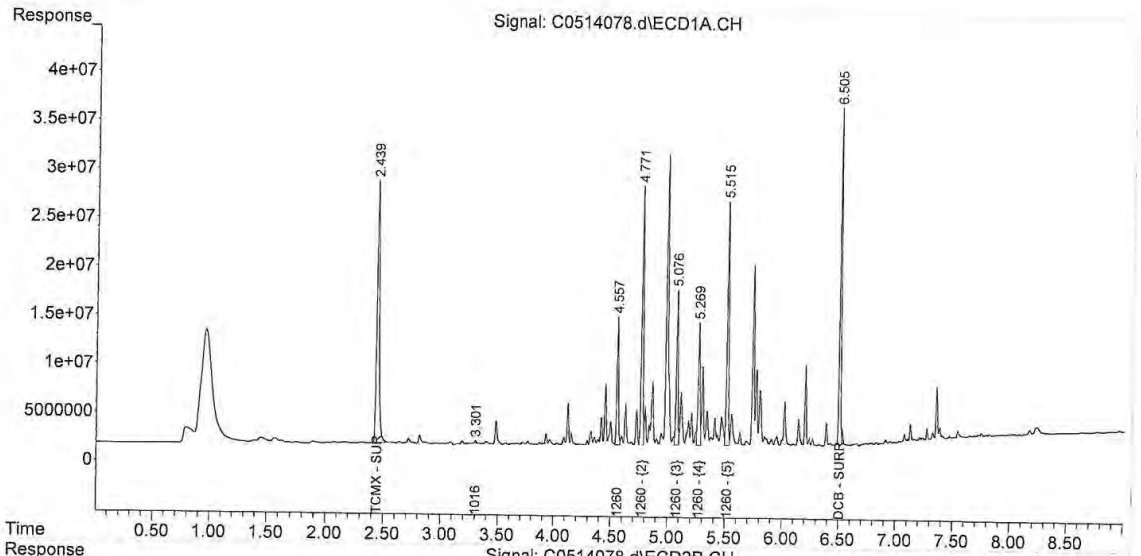
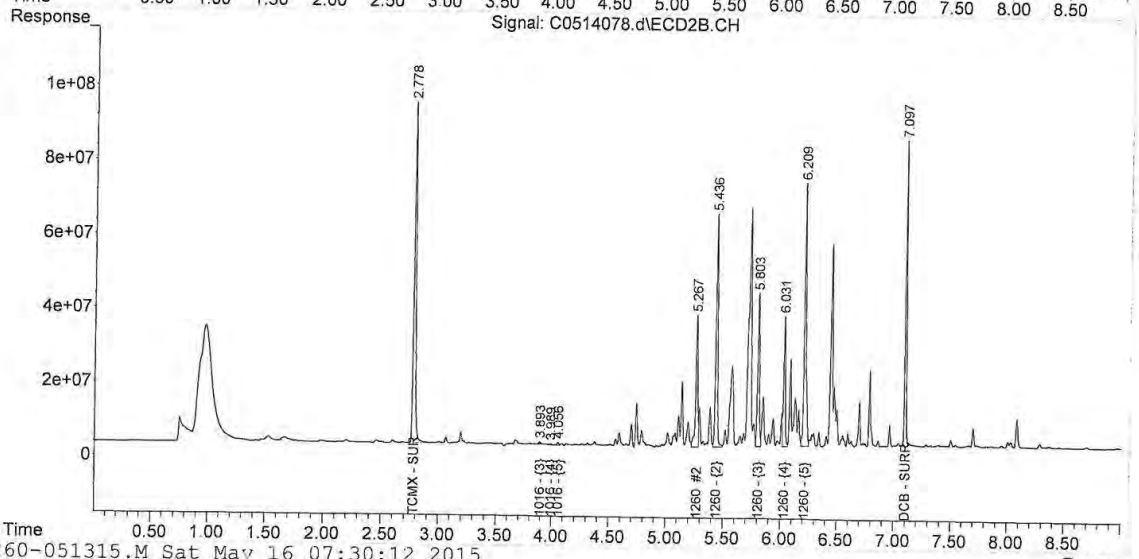
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051415\
Data File : C0514078.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2015 9:14 am
Operator : JMB
Sample : 15E0509-07@10X Inst : DUAL ECD3
Misc :
ALS Vial : 78 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:30:12 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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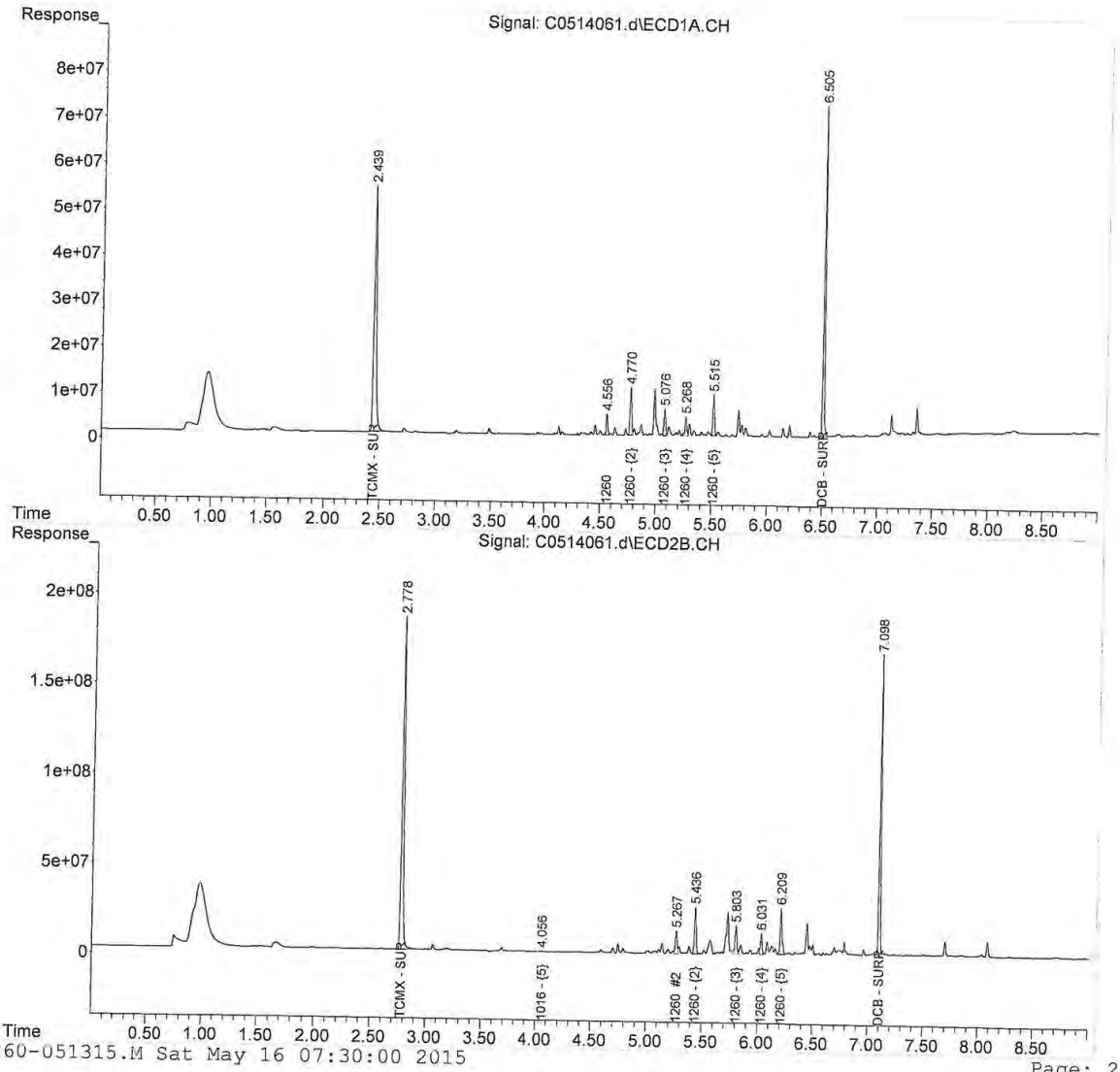
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051415\
Data File : C0514061.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2015 0:17 am
Operator : JMB
Sample : 15E0509-08@5X Inst : DUAL ECD3
Misc :
ALS Vial : 61 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:30:00 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase :
Signal #1 Info :
Signal #2 Phase:
Signal #2 Info :



3-1260-051315.M Sat May 16 07:30:00 2015 Page: 2

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Quantitation Report (Not Reviewed)

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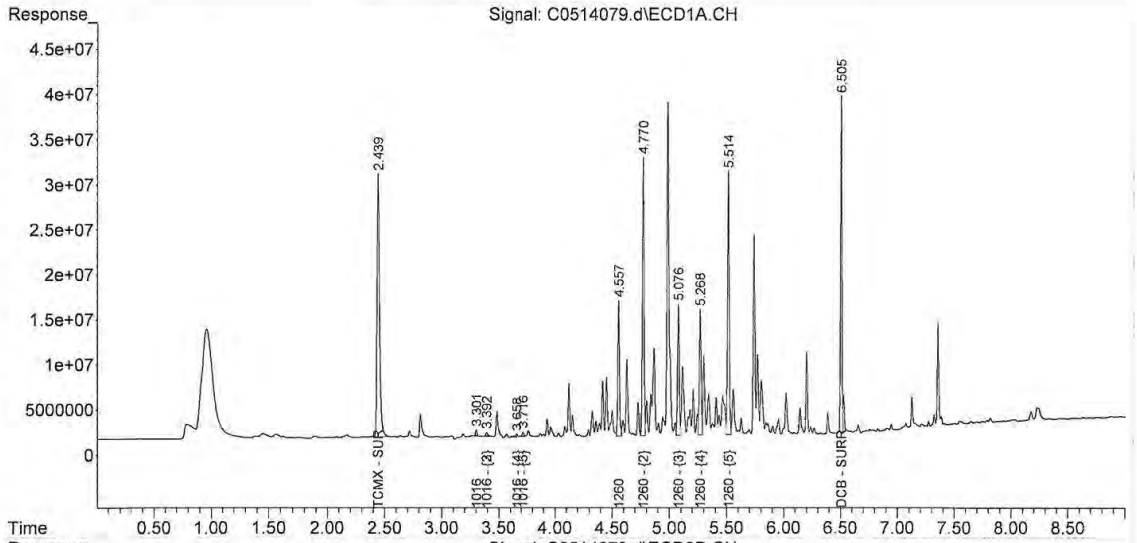
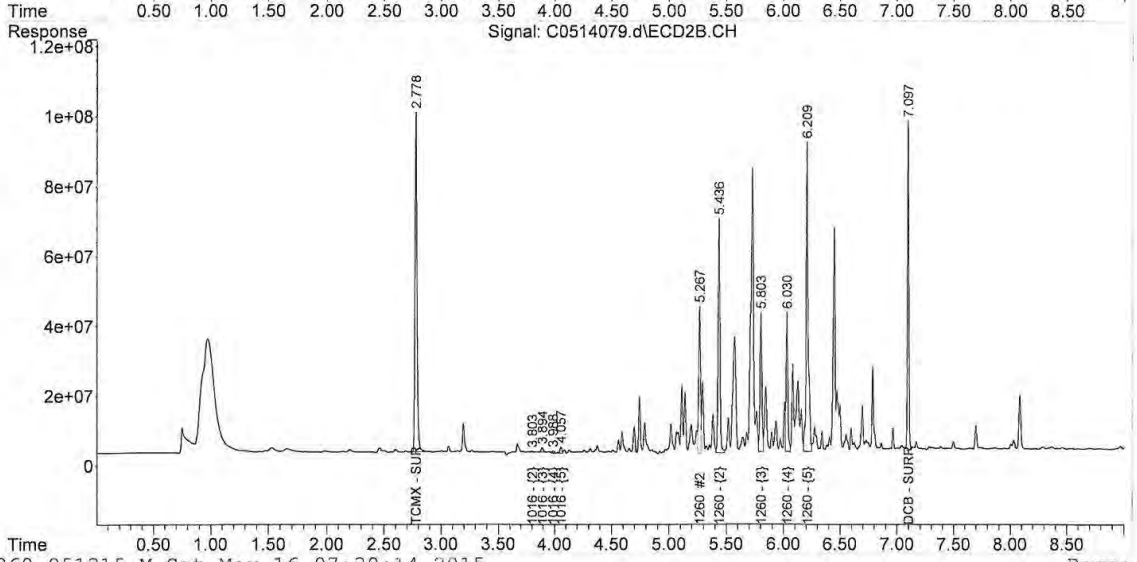
Data Path : C:\msdchem\1\data\051415\
Data File : C0514079.d
Signal(s) : Signal #1: ECD1A.CH  Signal #2: ECD2B.CH
Acq On    : 15 May 2015   9:27 am
Operator  : JMB
Sample    : 15E0509-09@10X                          Inst    : DUAL ECD3
Misc      :
ALS Vial  : 79 (Sig #1); 0 (Sig #2)   Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:30:14 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title  : 1260/1016   04/29/15   02/25/15   ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation   6890 Scale Mode: Large solvent peaks clipped

Volume Inj.     :
Signal #1 Phase :                  Signal #2 Phase:
Signal #1 Info  :                  Signal #2 Info :
```





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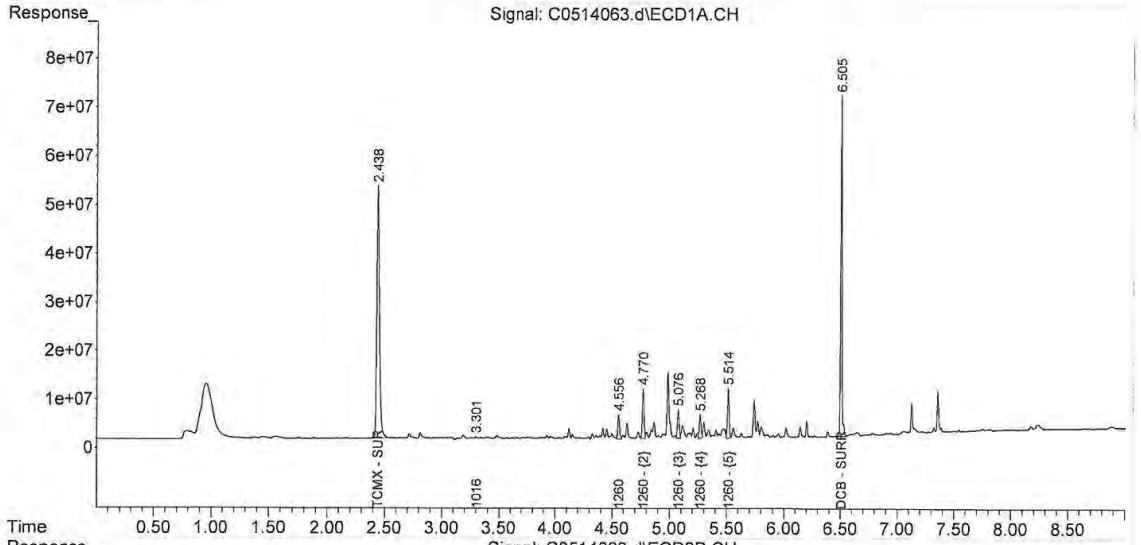
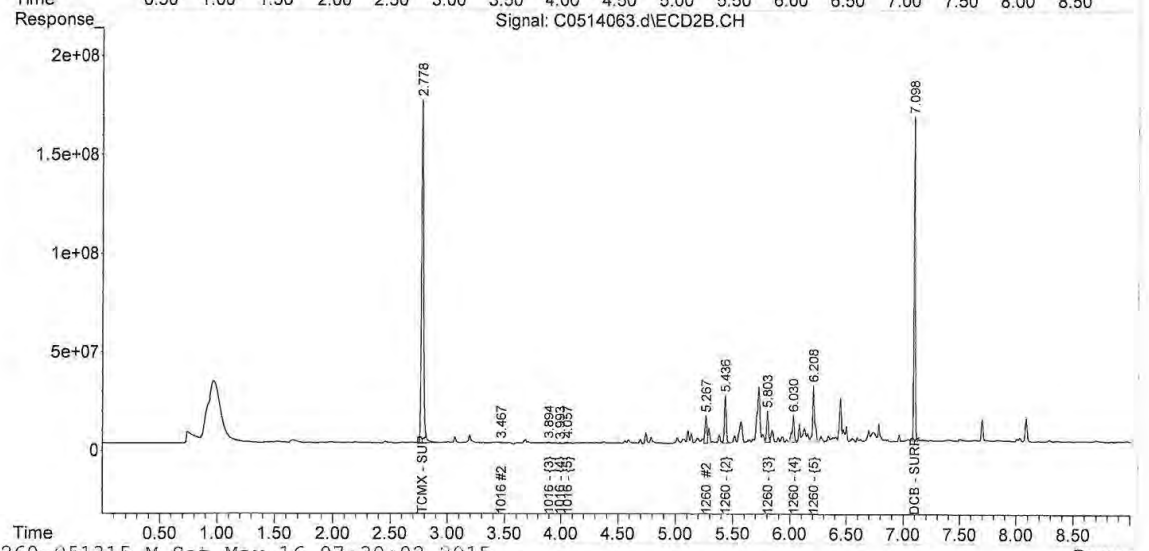
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051415\
Data File : C0514063.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2015 0:43 am
Operator : JMB
Sample : 15E0509-10@5X Inst : DUAL ECD3
Misc :
ALS Vial : 63 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:30:02 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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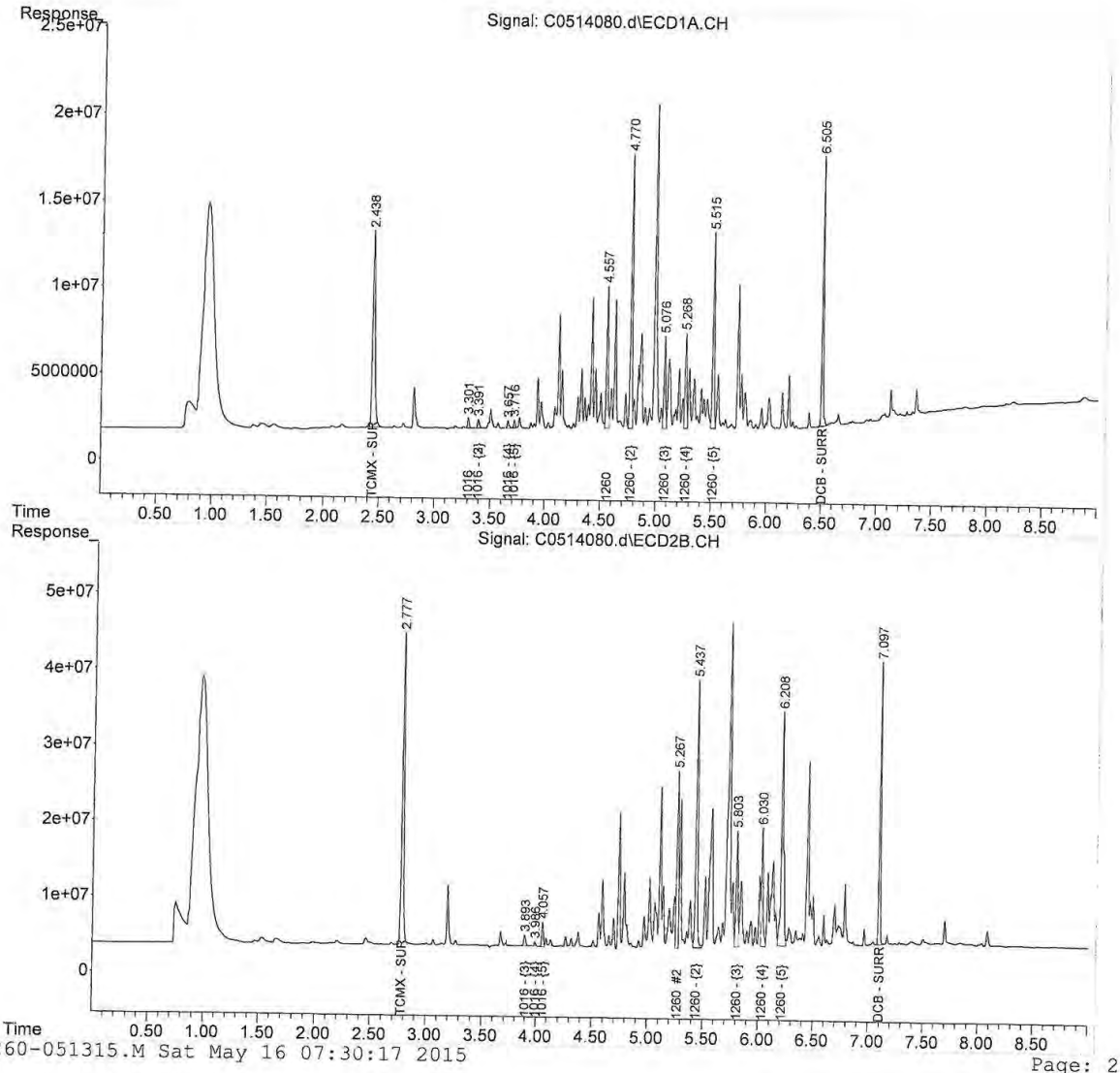
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051415\
Data File : C0514080.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2015 9:40 am
Operator : JMB
Sample : 15E0509-11@25X Inst : DUAL ECD3
Misc :
ALS Vial : 80 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:30:17 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



3-1260-051315.M Sat May 16 07:30:17 2015 Page: 2

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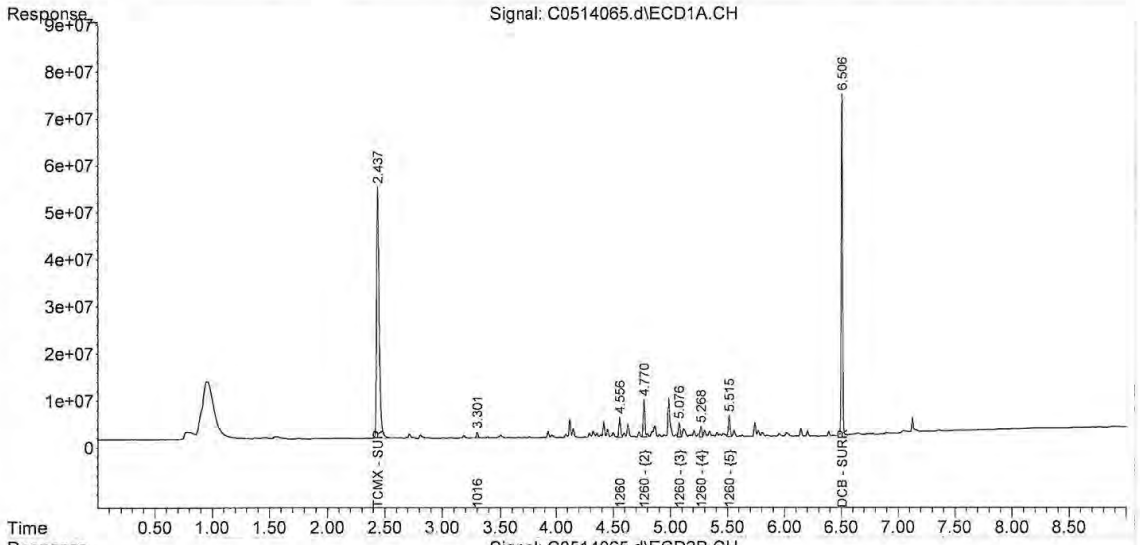
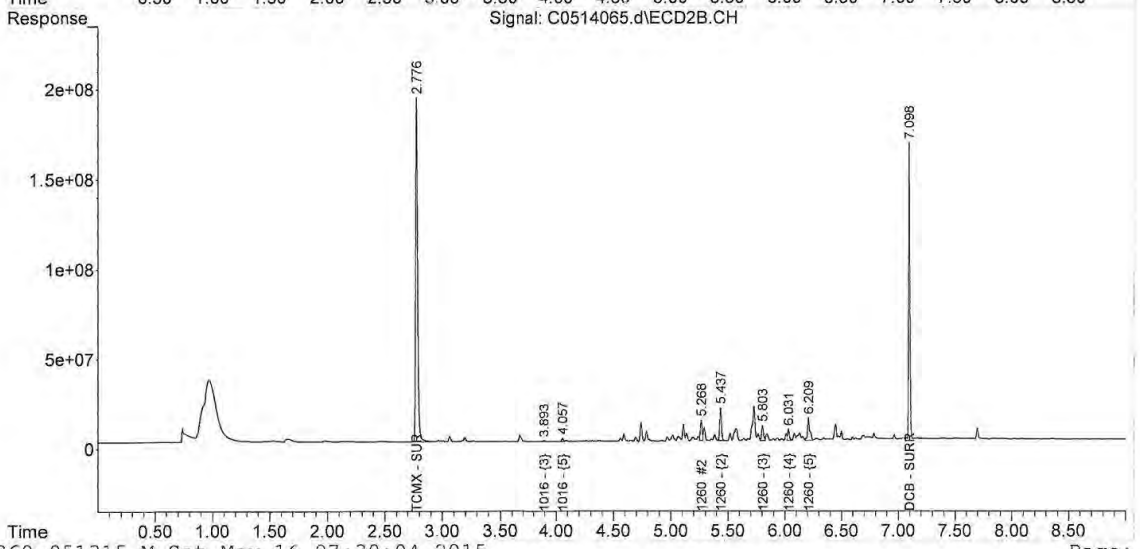
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051415\
Data File : C0514065.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2015 1:09 am
Operator : JMB
Sample : 15E0509-12@5X Inst : DUAL ECD3
Misc :
ALS Vial : 65 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:30:04 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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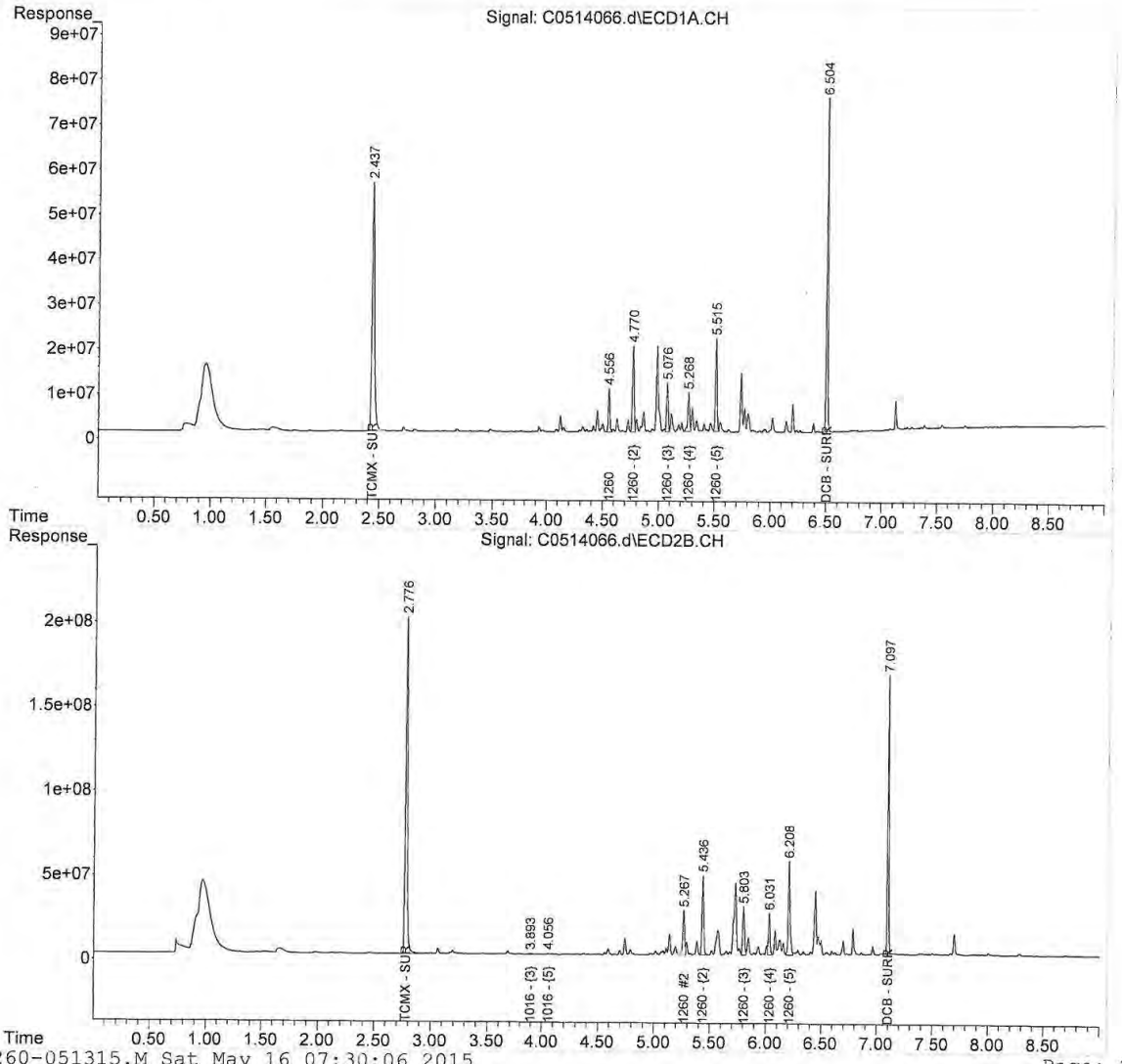
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051415\
Data File : C0514066.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2015 1:22 am
Operator : JMB
Sample : 15E0509-13@5X Inst : DUAL ECD3
Misc :
ALS Vial : 66 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:30:06 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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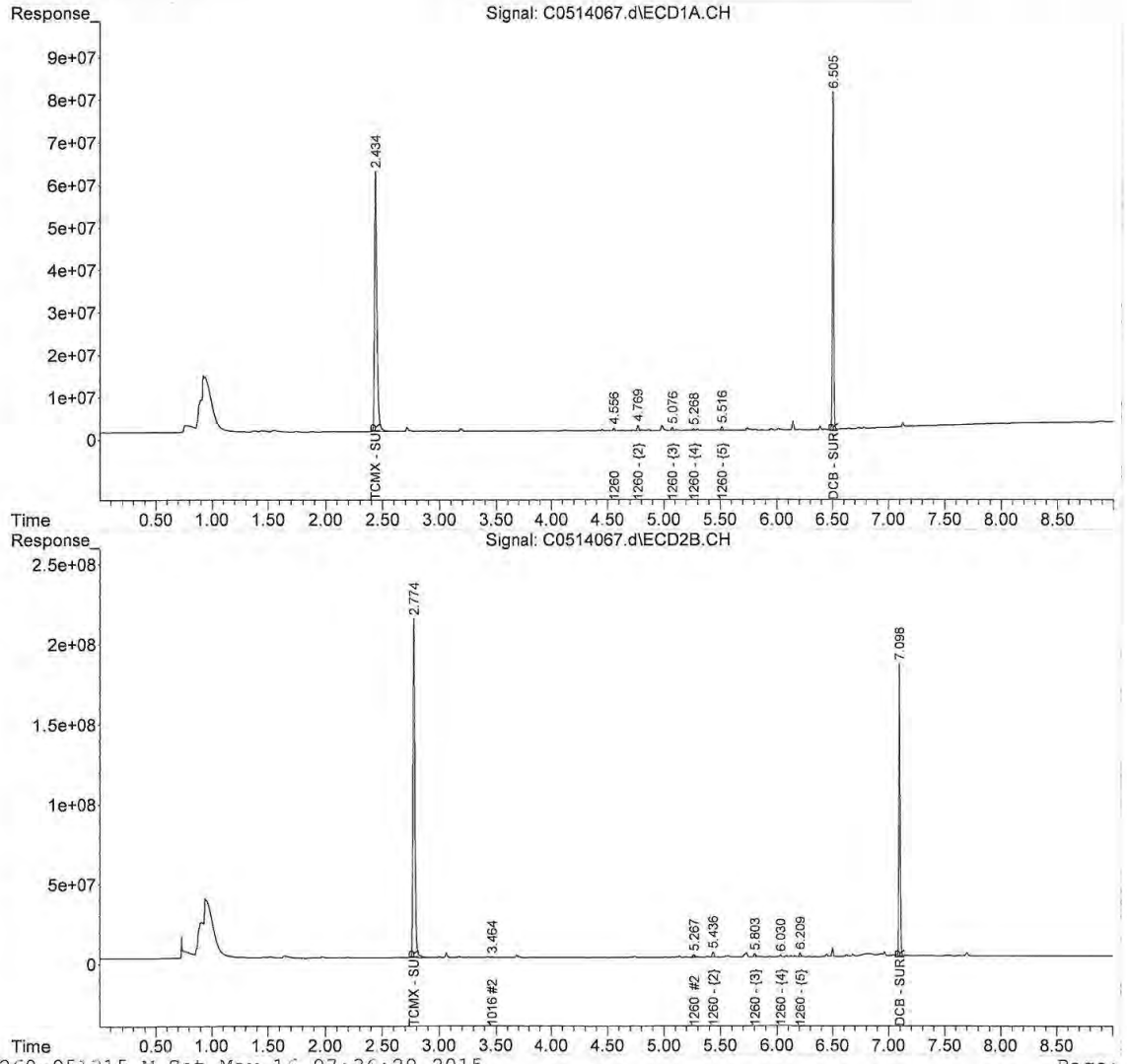
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051415\
Data File : C0514067.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 15 May 2015 1:35 am
Operator : JMB
Sample : 15E0509-14@5X Inst : DUAL ECD3
Misc :
ALS Vial : 67 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: May 16 07:36:20 2015
Quant Method : C:\msdchem\1\methods\3-1260-051315.M
Quant Title : 1260/1016 04/29/15 02/25/15 ICAL 1500144
QLast Update : Wed May 13 20:49:59 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0509

Laboratory Sample ID(s):

15E0509-01 thru 15E0509-14

Sample Date(s):

05/12/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** **Manager, Laboratory Reporting**

Printed Name: **Johanna K. Harrington** **Date:** **05/19/15**

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

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

June 3, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0511

Enclosed are results of analyses for samples received by the laboratory on May 12, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 6/3/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0511

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B151-1	15E0511-06	Soil		SM 2540G	
				SW-846 8082A	
B151-2	15E0511-07	Soil		SM 2540G	
				SW-846 8082A	

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con-test® ANALYTICAL LABORATORY
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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 8082A

Qualifications:

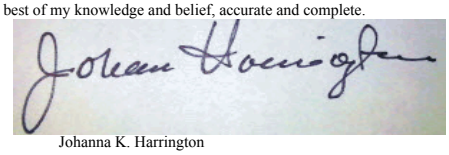
MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Aroclor-1260
B122439-MS1

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



Johanna K. Harrington
Manager, Laboratory Reporting

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0511

Date Received: 5/12/2015

Field Sample #: B151-1 Sampled: 5/12/2015 09:40

Sample ID: 15E0511-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1260 [2]	0.22	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.1	30-150		5/29/15 14:48
Decachlorobiphenyl [2]	108	30-150		5/29/15 14:48
Tetrachloro-m-xylene [1]	89.3	30-150		5/29/15 14:48
Tetrachloro-m-xylene [2]	105	30-150		5/29/15 14:48

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0511

Date Received: 5/12/2015

Field Sample #: B151-1 Sampled: 5/12/2015 09:40

Sample ID: 15E0511-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0511

Date Received: 5/12/2015

Field Sample #: B151-2 Sampled: 5/12/2015 09:42

Sample ID: 15E0511-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.2	30-150		5/29/15 15:00
Decachlorobiphenyl [2]	105	30-150		5/29/15 15:00
Tetrachloro-m-xylene [1]	86.4	30-150		5/29/15 15:00
Tetrachloro-m-xylene [2]	101	30-150		5/29/15 15:00

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0511

Date Received: 5/12/2015

Field Sample #: B151-2 Sampled: 5/12/2015 09:42

Sample ID: 15E0511-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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con-test® ANALYTICAL LABORATORY
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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0511-06 [B151-1]	B122468	05/26/15
15E0511-07 [B151-2]	B122468	05/26/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0511-06 [B151-1]	B122439	10.3	10.0	05/23/15
15E0511-07 [B151-2]	B122439	10.3	10.0	05/23/15

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122439 - SW-846 3540C										
Blank (B122439-BLK1)				Prepared: 05/23/15 Analyzed: 05/27/15						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.152*		mg/Kg wet	0.200		76.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.205*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.154*		mg/Kg wet	0.200		76.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.193*		mg/Kg wet	0.200		96.4	30-150			
LCS (B122439-BS1)				Prepared: 05/23/15 Analyzed: 05/27/15						
Aroclor-1016	0.17	0.10	mg/Kg wet	0.200		84.8	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg wet	0.200		92.3	40-140			
Aroclor-1260	0.18	0.10	mg/Kg wet	0.200		90.0	40-140			
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200		98.1	40-140			
Surrogate: Decachlorobiphenyl	*0.156*		mg/Kg wet	0.200		78.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.180*		mg/Kg wet	0.200		89.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.152*		mg/Kg wet	0.200		75.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.165*		mg/Kg wet	0.200		82.7	30-150			
LCS Dup (B122439-BSD1)				Prepared: 05/23/15 Analyzed: 05/27/15						
Aroclor-1016	0.18	0.10	mg/Kg wet	0.200		90.2	40-140	6.13	30	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		98.7	40-140	6.68	30	
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		96.0	40-140	6.46	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		105	40-140	6.60	30	
Surrogate: Decachlorobiphenyl	*0.170*		mg/Kg wet	0.200		85.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.161*		mg/Kg wet	0.200		80.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.177*		mg/Kg wet	0.200		88.6	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B122439 - SW-846 3540C											
Matrix Spike (B122439-MS1)	**Source: 15E0511-06**			Prepared: 05/23/15 Analyzed: 05/29/15							
Aroclor-1016	0.23	0.12	mg/Kg dry	0.230	ND	98.0		40-140			
Aroclor-1016 [2C]	0.26	0.12	mg/Kg dry	0.230	ND	111		40-140			
Aroclor-1260	0.30	0.12	mg/Kg dry	0.230	0.21	**37.5**	*	40-140			MS-22
Aroclor-1260 [2C]	0.34	0.12	mg/Kg dry	0.230	0.22	53.1		40-140			
Surrogate: Decachlorobiphenyl	*0.206*		mg/Kg dry	0.230		89.6		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.231*		mg/Kg dry	0.230		100		30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg dry	0.230		86.3		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.228*		mg/Kg dry	0.230		99.1		30-150			
Matrix Spike Dup (B122439-MSD1)	**Source: 15E0511-06**			Prepared: 05/23/15 Analyzed: 05/29/15							
Aroclor-1016	0.23	0.12	mg/Kg dry	0.230	ND	101		40-140	3.01	50	
Aroclor-1016 [2C]	0.27	0.12	mg/Kg dry	0.230	ND	118		40-140	5.90	50	
Aroclor-1260	0.34	0.12	mg/Kg dry	0.230	0.21	54.9		40-140	12.6	50	
Aroclor-1260 [2C]	0.40	0.12	mg/Kg dry	0.230	0.22	79.9		40-140	16.8	50	
Surrogate: Decachlorobiphenyl	*0.217*		mg/Kg dry	0.230		94.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.251*		mg/Kg dry	0.230		109		30-150			
Surrogate: Tetrachloro-m-xylene	*0.211*		mg/Kg dry	0.230		91.6		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.247*		mg/Kg dry	0.230		107		30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B151-1

Lab Sample ID: 15E0511-06 Date(s) Analyzed: 05/29/2015 05/29/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.21	
	2	0.00	-0.03	0.03	0.22	4.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122439-BS1 Date(s) Analyzed: 05/27/2015 05/27/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.18	6
Aroclor-1260	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.20	11

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122439-BSD1 Date(s) Analyzed: 05/27/2015 05/27/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.20	11
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.21	9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B122439-MS1 Date(s) Analyzed: 05/29/2015 05/29/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.26	14
Aroclor-1260	1	0.00	-0.03	0.03	0.30	
	2	0.00	-0.03	0.03	0.34	14

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B122439-MSD1 Date(s) Analyzed: 05/29/2015 05/29/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.27	15
Aroclor-1260	1	0.00	-0.03	0.03	0.34	
	2	0.00	-0.03	0.03	0.40	17

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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.
	No results have been blank subtracted unless specified in the case narrative section.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0511

Page 1 of 2

Company Name: Weston and Sampson (for NUSCO)
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

Telephone: 860 513-1473
Project # 860 513-1483
Client PO# 02274021 Release 00005

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
										ANALYSIS REQUESTED	1	I	A
01	B171-1	5/12/15	930		X	S	U			✓			
02	B171-2	↓	0932		↓	↓	↓			✓			
03	B171-3		0934							✓			
04	B171-4		0936							✓			
05	B171-5		0938							✓			
06	B151-1		0940							✓			
07	B151-2		0942							✓			
08	B151-3		0944							✓			
09	B151-4		0946							✓			
10	B151-5	↓	0948		↓	↓	↓			✓			

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 hold samples for future extr. + analysis
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:
[signature] 5-12-15	
Received by: (signature) [signature] 5.12.15	Date/Time: 13:30
Relinquished by: (signature) [signature] 5.12.15	Date/Time: 17:35
Received by: (signature) [signature] 5.12.15	Date/Time: 1735

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH NELAC NY116 — ACCREDITED LABORATORY AIHA
NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0511

Company Name: Weston and Sampson (for NUSCO)
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

Telephone: 860 513-1473
Project # 860 513-1483
Client PO# 02274021 Release 00005

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
11	B138-3	5-12-15	0954		X	J	U			✓	1	I	A
12	B138-4		0956							✓			
13	B138-5		0958							✓			
14	B139-3		1004							✓			
15	B139-4		1006							✓			
16	B139-5		1008							✓			
17	B172-1		1010							✓			
18	B172-2		1012							✓			
19	B172-3		1014							✓			
20	B172-4	✓	1016		✓	✓	✓			✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Please hold for future extr. + analysis
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:
[signature] 5-12-15	
Received by: (signature) [signature] 5.12.15	Date/Time: 13:30
Relinquished by: (signature) [signature] 5.12	Date/Time: 17:35
Received by: (signature) [signature] 5.1 5/12/15	Date/Time: 1735

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 55
Page 2685 of 4786

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

con-test® ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Weston and Simpson (Nusco) **RECEIVED BY:** JDL **DATE:** 5/12/15

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included
2) **Does the chain agree with the samples?** (Yes) No
   If not, explain:
3) **Are all the samples in good condition?** (Yes) No
   If not, explain:
4) **How were the samples received:**
   On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒
   Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A
   Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.1
5) **Are there Dissolved samples for the lab to filter?** Yes (No)
   Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
   Who was notified _____ Date _____ Time _____
7) **Location where samples are stored:** 19
   Permission to subcontract samples? Yes No
   (Walk-in clients only) if not already approved
   Client Signature: _____
8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____
9) **Do all samples have the proper Base pH:** Yes No (N/A) _____
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	64
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

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

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** JDL **Date/Time:** 5/12/15 1735

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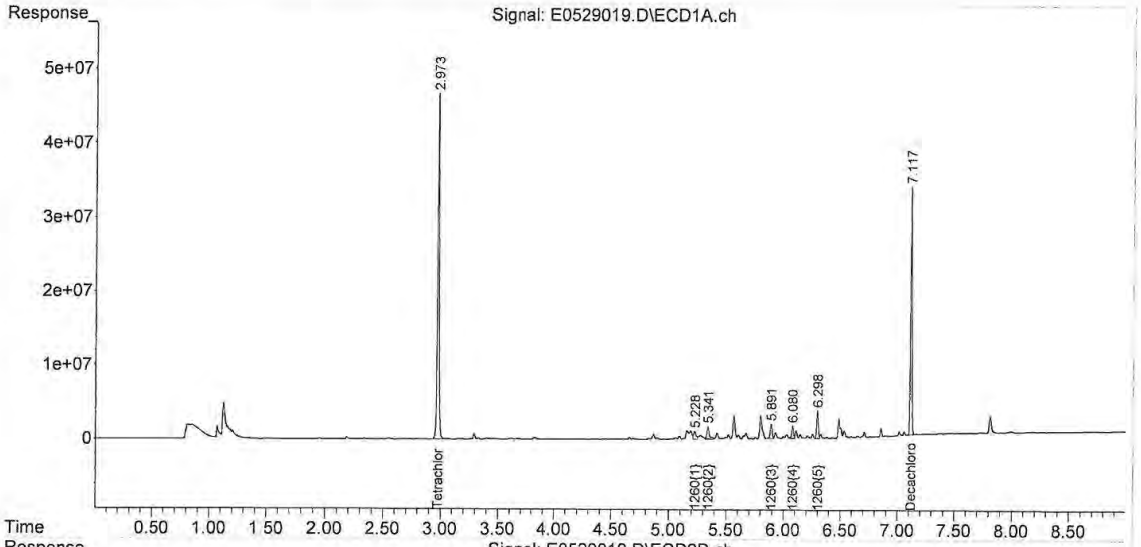
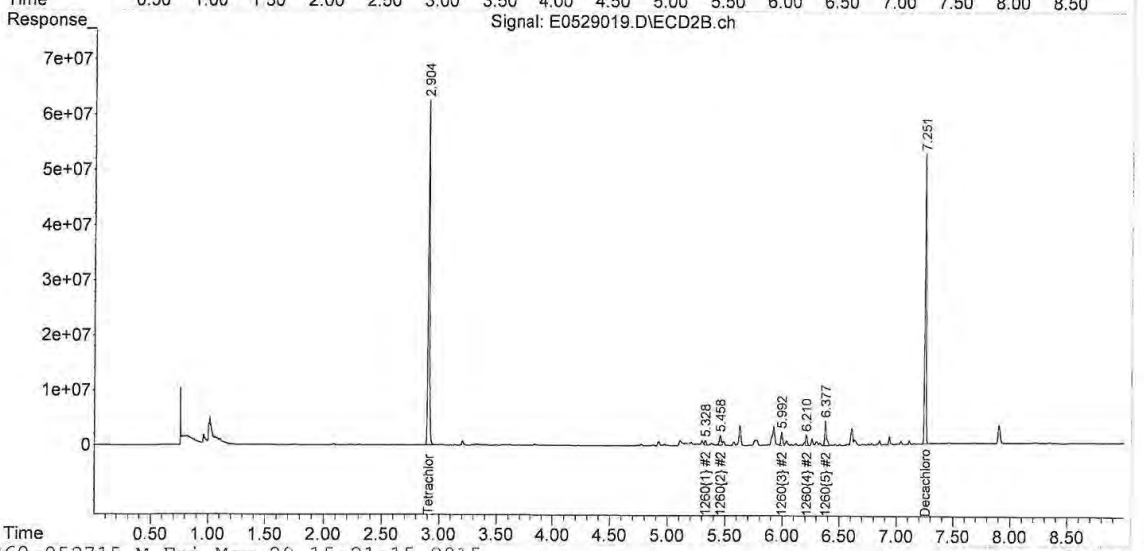
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\052915\
Data File : E0529019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2015 2:48 pm
Operator : JMB
Sample : 15E0511-06@5X TBA Inst : ECD 5
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 29 15:21:14 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-052715.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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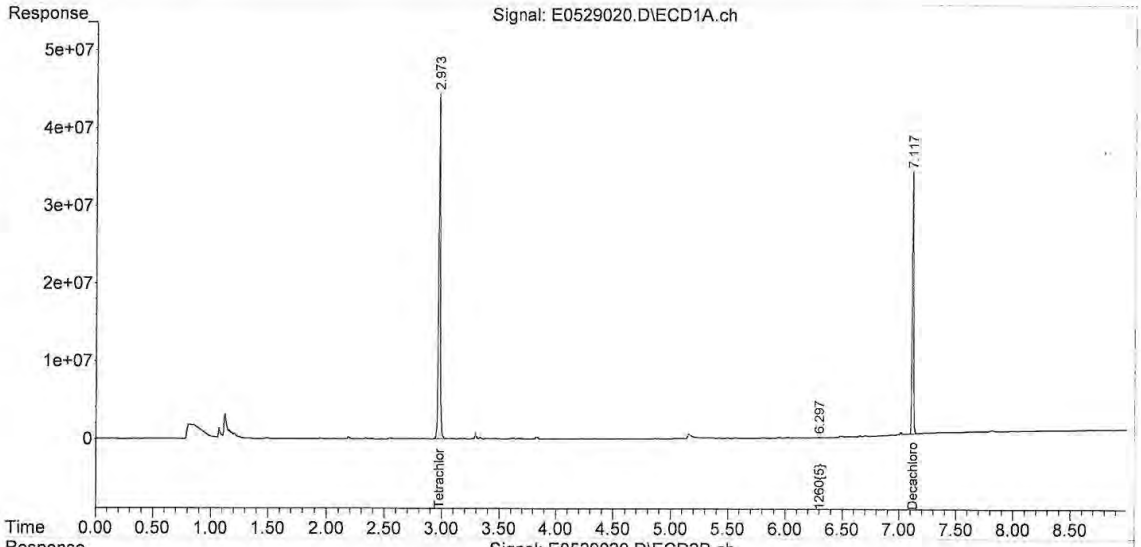
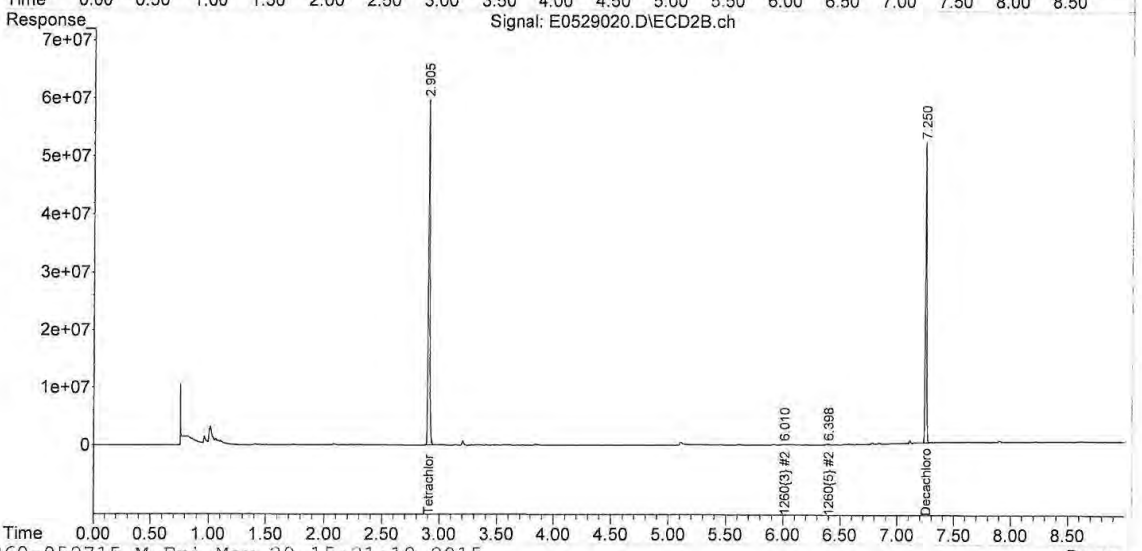
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\052915\
Data File : E0529020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2015 3:00 pm
Operator : JMB
Sample : 15E0511-07@5X TBA Inst : ECD 5
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 29 15:21:17 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-052715.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Jim Georgantas

Subject: FW: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Highlighted samples are to be analyzed:

B-143-1 -2 -3 -4
B-148-1 -2 -3 -4
B-149-1, -2 -3 -4
B-150-1, -2 -3 -4
B-151-1 -2 -3 -4
B-152-1 -2 -3 -4
B-153-1 -2 -3 -4
B-154-1 -2 -3 -4
B-157-1 -2 -3 -4
B-160-1 -2 -3 -4
B-161-1 -2 -3 -4
B-162-1 -2 -3 -4
B-163-1 -2 -3 -4
B-164-1 -2 -3 -4
B-165-1 -2 -3 -4
B-166-1 -2 -3 -4
B-167-1 -2 -3 -4
B-168-1 -2 -3 -4
B-169-1 -2 -3 -4
B-170-1 -2 -3 -4
B-171-1 -2 -3 -4
B-172-1 -2 -3 -4
B-173-1 -2 -3 -4
B-178-1 -2 -3 -4
B-180-1 -2 -3 -4
B-181-1 -2 -3 -4
B-182-1 -2 -3 -4

Thank you very much

Ken

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0511

Laboratory Sample ID(s):

15E0511-06 thru 15E0511-07

Sample Date(s):

05/12/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** **Manager, Laboratory Reporting**

Printed Name: **Johanna K. Harrington** **Date:** **06/03/15**

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

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

June 8, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0511

Enclosed are results of analyses for samples received by the laboratory on May 12, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 6/8/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0511

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B151-1	15E0511-06	Soil		SM 2540G	
				SW-846 8082A	
B151-2	15E0511-07	Soil		SM 2540G	
				SW-846 8082A	
B172-1	15E0511-17	Soil		SM 2540G	
				SW-846 8082A	
B172-2	15E0511-18	Soil		SM 2540G	
				SW-846 8082A	

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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.

REVISED REPORT 06/08/15 - Samples 15E0511-17 & -18 reported per client request.

SW-846 8082A

Qualifications:

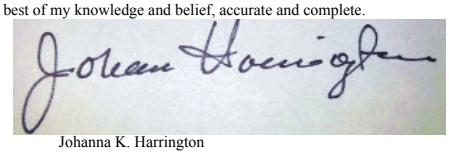
MS-22

Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

Analyte & Samples(s) Qualified:

Aroclor-1260
B122439-MS1

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



Johanna K. Harrington
Manager, Laboratory Reporting

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0511

Date Received: 5/12/2015

Field Sample #: B151-1 Sampled: 5/12/2015 09:40

Sample ID: 15E0511-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1260 [2]	0.22	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 14:48	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.1	30-150		5/29/15 14:48
Decachlorobiphenyl [2]	108	30-150		5/29/15 14:48
Tetrachloro-m-xylene [1]	89.3	30-150		5/29/15 14:48
Tetrachloro-m-xylene [2]	105	30-150		5/29/15 14:48

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0511

Date Received: 5/12/2015

Field Sample #: B151-1 Sampled: 5/12/2015 09:40

Sample ID: 15E0511-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.5		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0511

Date Received: 5/12/2015

Field Sample #: B151-2 Sampled: 5/12/2015 09:42

Sample ID: 15E0511-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.2	30-150		5/29/15 15:00
Decachlorobiphenyl [2]	105	30-150		5/29/15 15:00
Tetrachloro-m-xylene [1]	86.4	30-150		5/29/15 15:00
Tetrachloro-m-xylene [2]	101	30-150		5/29/15 15:00

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0511

Date Received: 5/12/2015

Field Sample #: B151-2 Sampled: 5/12/2015 09:42

Sample ID: 15E0511-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0511

Date Received: 5/12/2015

Field Sample #: B172-1 Sampled: 5/12/2015 10:10

Sample ID: 15E0511-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:06	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:06	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:06	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:06	KAL
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:06	KAL
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:06	KAL
Aroclor-1260 [2]	0.20	0.13	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:06	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:06	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:06	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.7	30-150		6/4/15 16:06
Decachlorobiphenyl [2]	110	30-150		6/4/15 16:06
Tetrachloro-m-xylene [1]	88.7	30-150		6/4/15 16:06
Tetrachloro-m-xylene [2]	100	30-150		6/4/15 16:06

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0511

Date Received: 5/12/2015

Field Sample #: B172-1 Sampled: 5/12/2015 10:10

Sample ID: 15E0511-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.1		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0511

Date Received: 5/12/2015

Field Sample #: B172-2 Sampled: 5/12/2015 10:12

Sample ID: 15E0511-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:29	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:29	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:29	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:29	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:29	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:29	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:29	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:29	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	6/4/15 16:29	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.6	30-150		6/4/15 16:29
Decachlorobiphenyl [2]	107	30-150		6/4/15 16:29
Tetrachloro-m-xylene [1]	86.7	30-150		6/4/15 16:29
Tetrachloro-m-xylene [2]	98.3	30-150		6/4/15 16:29

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0511

Date Received: 5/12/2015

Field Sample #: B172-2 Sampled: 5/12/2015 10:12

Sample ID: 15E0511-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.7		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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
15E0511-06 [B151-1]	B122468	05/26/15
15E0511-07 [B151-2]	B122468	05/26/15
15E0511-17 [B172-1]	B122468	05/26/15
15E0511-18 [B172-2]	B122468	05/26/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0511-06 [B151-1]	B122439	10.3	10.0	05/23/15
15E0511-07 [B151-2]	B122439	10.3	10.0	05/23/15
15E0511-17 [B172-1]	B122439	10.3	10.0	05/23/15
15E0511-18 [B172-2]	B122439	10.2	10.0	05/23/15

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122439 - SW-846 3540C										
Blank (B122439-BLK1)				Prepared: 05/23/15 Analyzed: 05/27/15						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.152*		mg/Kg wet	0.200		76.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.205*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.154*		mg/Kg wet	0.200		76.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.193*		mg/Kg wet	0.200		96.4	30-150			
LCS (B122439-BS1)				Prepared: 05/23/15 Analyzed: 05/27/15						
Aroclor-1016	0.17	0.10	mg/Kg wet	0.200		84.8	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg wet	0.200		92.3	40-140			
Aroclor-1260	0.18	0.10	mg/Kg wet	0.200		90.0	40-140			
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200		98.1	40-140			
Surrogate: Decachlorobiphenyl	*0.156*		mg/Kg wet	0.200		78.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.180*		mg/Kg wet	0.200		89.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.152*		mg/Kg wet	0.200		75.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.165*		mg/Kg wet	0.200		82.7	30-150			
LCS Dup (B122439-BSD1)				Prepared: 05/23/15 Analyzed: 05/27/15						
Aroclor-1016	0.18	0.10	mg/Kg wet	0.200		90.2	40-140	6.13	30	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		98.7	40-140	6.68	30	
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		96.0	40-140	6.46	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		105	40-140	6.60	30	
Surrogate: Decachlorobiphenyl	*0.170*		mg/Kg wet	0.200		85.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.161*		mg/Kg wet	0.200		80.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.177*		mg/Kg wet	0.200		88.6	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B122439 - SW-846 3540C											
Matrix Spike (B122439-MS1)	**Source: 15E0511-06**			Prepared: 05/23/15 Analyzed: 05/29/15							
Aroclor-1016	0.23	0.12	mg/Kg dry	0.230	ND	98.0		40-140			
Aroclor-1016 [2C]	0.26	0.12	mg/Kg dry	0.230	ND	111		40-140			
Aroclor-1260	0.30	0.12	mg/Kg dry	0.230	0.21	**37.5**	*	40-140			MS-22
Aroclor-1260 [2C]	0.34	0.12	mg/Kg dry	0.230	0.22	53.1		40-140			
Surrogate: Decachlorobiphenyl	*0.206*		mg/Kg dry	0.230		89.6		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.231*		mg/Kg dry	0.230		100		30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg dry	0.230		86.3		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.228*		mg/Kg dry	0.230		99.1		30-150			
Matrix Spike Dup (B122439-MSD1)	**Source: 15E0511-06**			Prepared: 05/23/15 Analyzed: 05/29/15							
Aroclor-1016	0.23	0.12	mg/Kg dry	0.230	ND	101		40-140	3.01	50	
Aroclor-1016 [2C]	0.27	0.12	mg/Kg dry	0.230	ND	118		40-140	5.90	50	
Aroclor-1260	0.34	0.12	mg/Kg dry	0.230	0.21	54.9		40-140	12.6	50	
Aroclor-1260 [2C]	0.40	0.12	mg/Kg dry	0.230	0.22	79.9		40-140	16.8	50	
Surrogate: Decachlorobiphenyl	*0.217*		mg/Kg dry	0.230		94.2		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.251*		mg/Kg dry	0.230		109		30-150			
Surrogate: Tetrachloro-m-xylene	*0.211*		mg/Kg dry	0.230		91.6		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.247*		mg/Kg dry	0.230		107		30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B151-1

Lab Sample ID: 15E0511-06 Date(s) Analyzed: 05/29/2015 05/29/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.21	
	2	0.00	-0.03	0.03	0.22	4.2

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B172-1

Lab Sample ID: 15E0511-17 Date(s) Analyzed: 06/04/2015 06/04/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.20	
	2	0.00	-0.03	0.03	0.20	0.5

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122439-BS1 Date(s) Analyzed: 05/27/2015 05/27/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.18	6
Aroclor-1260	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.20	11

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122439-BSD1 Date(s) Analyzed: 05/27/2015 05/27/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.20	11
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.21	9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B122439-MS1 Date(s) Analyzed: 05/29/2015 05/29/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.26	14
Aroclor-1260	1	0.00	-0.03	0.03	0.30	
	2	0.00	-0.03	0.03	0.34	14

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B122439-MSD1 Date(s) Analyzed: 05/29/2015 05/29/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.27	15
Aroclor-1260	1	0.00	-0.03	0.03	0.34	
	2	0.00	-0.03	0.03	0.40	17

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
MS-22	Either matrix spike or MS duplicate is outside of control limits, but the other is within limits. RPD between the two MS/MSD results is within method specified criteria.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0511

Page 1 of 2

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473
Address: 273 Dividend Rd Project # 860 513-1483
Rocky Hill, CT 06067 Client PO# 02274021 Release 00005
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

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

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	1	I	A	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples
01	B171-1	5/12/15	930		X	S	U						✓
02	B171-2	↓	0932		↓	↓	↓						✓
03	B171-3		0934										✓
04	B171-4		0936										✓
05	B171-5		0938										✓
06	B151-1		0940										✓
07	B151-2		0942										✓
08	B151-3		0944										✓
09	B151-4		0946										✓
10	B151-5	↓	0948		↓	↓	↓						✓

ANALYSIS REQUESTED

# of Containers
** Preservation
***Container Code

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Please hold samples for future extr. + analysis
Note soxhlet extraction rqmts. for samples and TAT.

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)	5-12-15	Date/Time:
Received by: (signature)	5.12.15	Date/Time: 13:30
Relinquished by: (signature)	5.12.15	Date/Time: 17:35
Received by: (signature)	5.12/15 1735	Date/Time:

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH NELAC NY116 — ACCREDITED LABORATORY AIHA
NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 55
Page 2715 of 4786

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CHAIN OF CUSTODY RECORD

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

15E0511

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483
Client PO# 02274021 Release 00005
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
11	B138-3	5-12-15	0954		X	J	U			✓	1	I	A
12	B138-4		0956							✓			
13	B138-5		0958							✓			
14	B139-3		1004							✓			
15	B139-4		1006							✓			
16	B139-5		1008							✓			
17	B172-1		1010							✓			
18	B172-2		1012							✓			
19	B172-3		1014							✓			
20	B172-4	✓	1016		✓	✓	✓			✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Please hold for future extr. + analysis

Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:
[signature] 5-12-15	
Received by: (signature) [signature] 5.12.15	Date/Time: 13:30
Relinquished by: (signature) [signature] 5.12	Date/Time: 15 17:35
Received by: (signature) [signature] 5.1 5/12/15	Date/Time: 1735

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA
NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
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RSR-032 Attachment 55
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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Weston and Simpson (Nusco) **RECEIVED BY:** JDL **DATE:** 5/12/15

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No No CoC Included
2) **Does the chain agree with the samples?** (Yes) No
   If not, explain:
3) **Are all the samples in good condition?** (Yes) No
   If not, explain:
4) **How were the samples received:**
   On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒
   Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A
   Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.1
5) **Are there Dissolved samples for the lab to filter?** Yes (No)
   Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
   Who was notified _____ Date _____ Time _____
7) **Location where samples are stored:** 19

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

8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____
9) **Do all samples have the proper Base pH:** Yes No (N/A) _____
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	64
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

Page 2 of 2

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

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

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** JDL **Date/Time:** 5/12/15 1735

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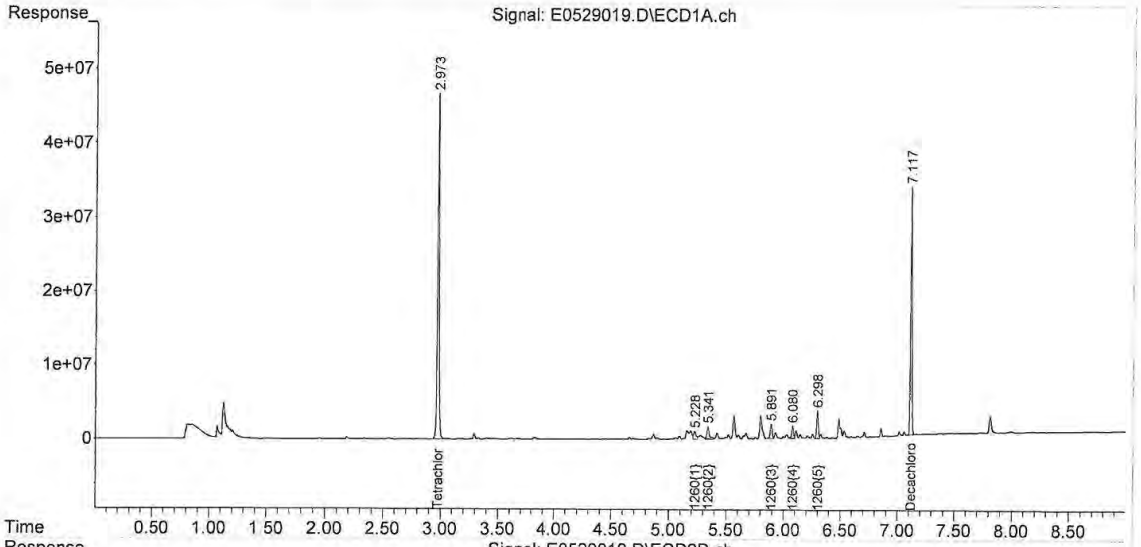
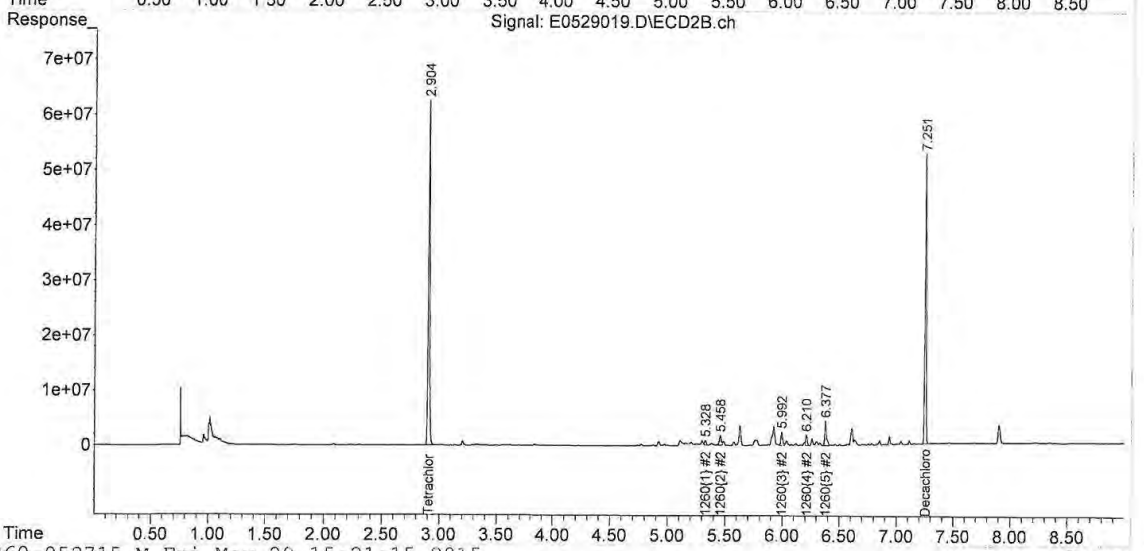
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\052915\
Data File : E0529019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2015 2:48 pm
Operator : JMB
Sample : 15E0511-06@5X TBA Inst : ECD 5
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 29 15:21:14 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-052715.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



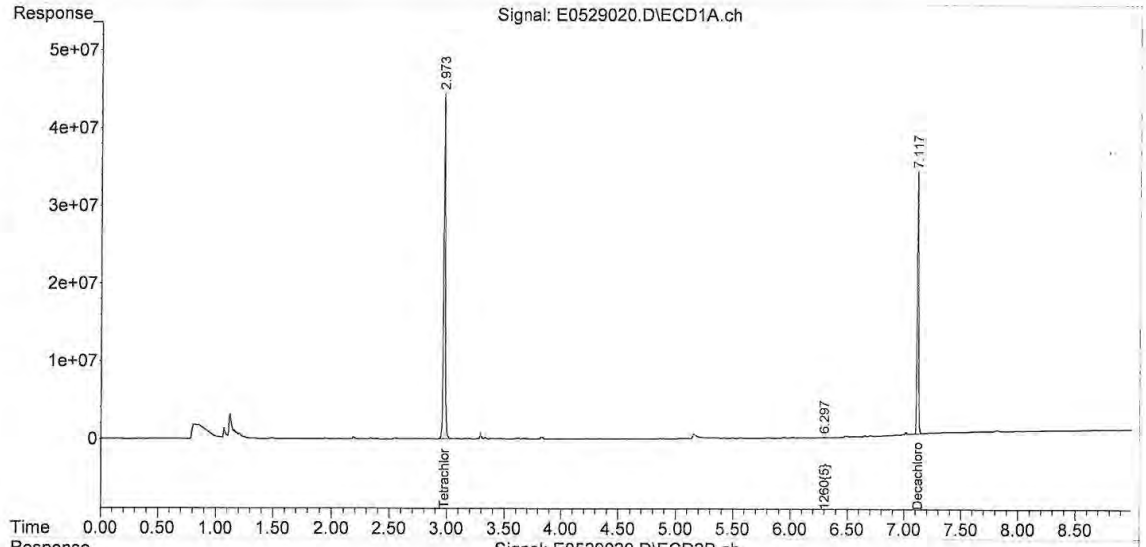


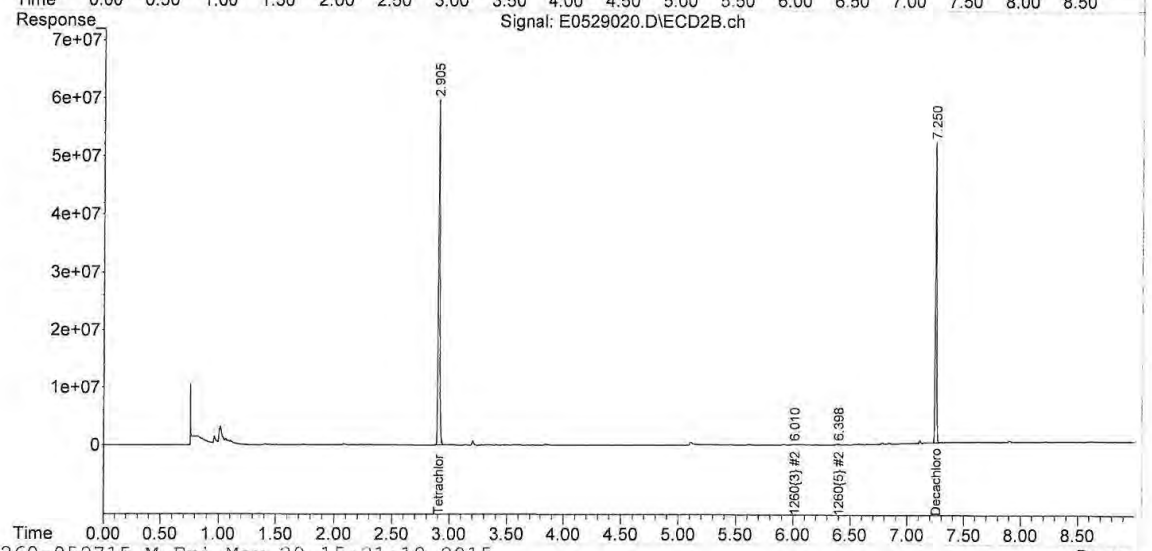
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\052915\
Data File : E0529020.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2015 3:00 pm
Operator : JMB
Sample : 15E0511-07@5X TBA Inst : ECD 5
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 29 15:21:17 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-052715.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





Jim Georgantas

Subject: FW: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Highlighted samples are to be analyzed:

B-143-1 -2 -3 -4
B-148-1 -2 -3 -4
B-149-1, -2 -3 -4
B-150-1, -2 -3 -4
B-151-1 -2 -3 -4
B-152-1 -2 -3 -4
B-153-1 -2 -3 -4
B-154-1 -2 -3 -4
B-157-1 -2 -3 -4
B-160-1 -2 -3 -4
B-161-1 -2 -3 -4
B-162-1 -2 -3 -4
B-163-1 -2 -3 -4
B-164-1 -2 -3 -4
B-165-1 -2 -3 -4
B-166-1 -2 -3 -4
B-167-1 -2 -3 -4
B-168-1 -2 -3 -4
B-169-1 -2 -3 -4
B-170-1 -2 -3 -4
B-171-1 -2 -3 -4
B-172-1 -2 -3 -4
B-173-1 -2 -3 -4
B-178-1 -2 -3 -4
B-180-1 -2 -3 -4
B-181-1 -2 -3 -4
B-182-1 -2 -3 -4

Thank you very much

Ken

Jim Georgantas

To: 'John Beane'; pgryszkiewicz@contestlabs.com; Marissa Cagan; 'Carla Tester'; 'Kristin Legutki'
Cc: Johanna Harrington; Daren Damboragian; 'Tod E. Kopyscinski'
Subject: NU reactivations

The following samples have been taken off of extract & hold:

180-1 and -2 15E0513-18 & -19
172-1 and -2 15E0511-17 & -18

Thanks,
Jim

James Georgantas
Project Manager
Con-Test Analytical Laboratory
39 Spruce Street, East Longmeadow, MA 01028
Phone: (413) 525-2332 | Email: jgeorgantas@contestlabs.com



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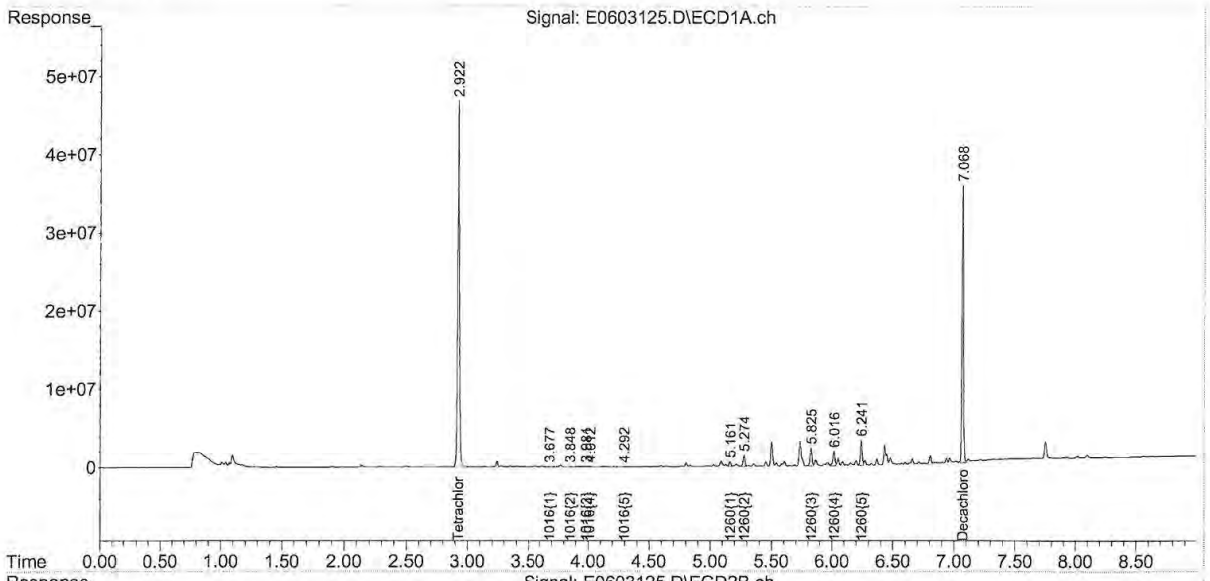
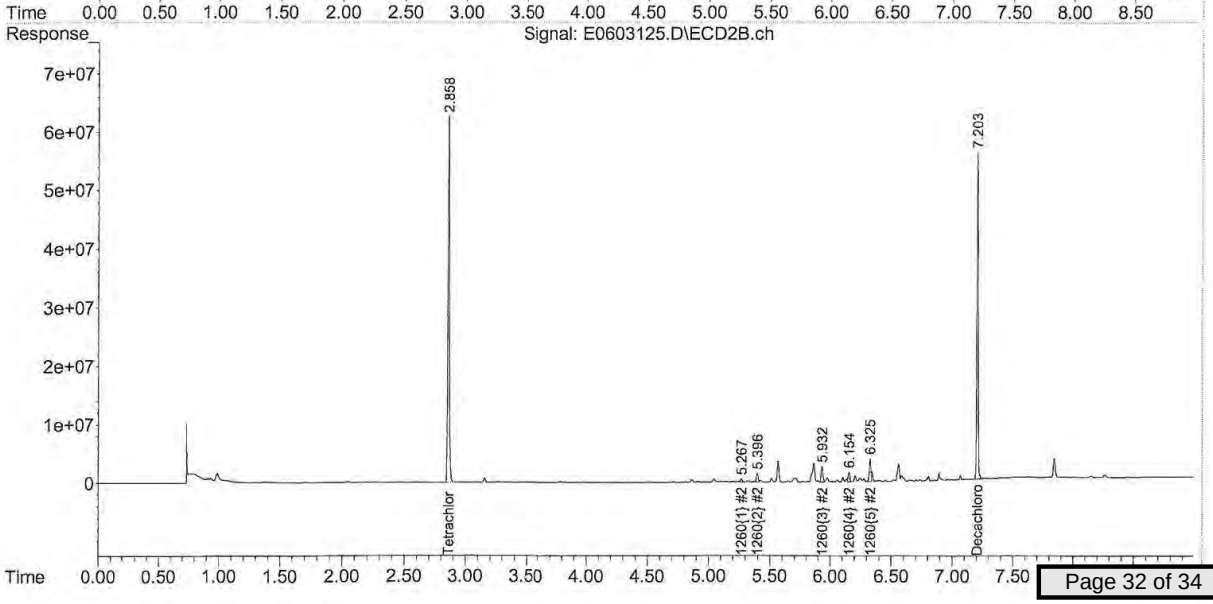
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\060315\
Data File : E0603125.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  4 Jun 2015   4:06 pm
Operator  : JMB
Sample    : 15E0511-17@5X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 26   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: Jun 04 18:24:48 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-060115.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```





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Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\060315\
Data File : E0603126.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  4 Jun 2015   4:29 pm
Operator  : JMB
Sample    : 15E0511-18@5X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 27   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: Jun 04 18:24:53 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-060115.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                  Signal #2 Phase:
Signal #1 Info  :                  Signal #2 Info :
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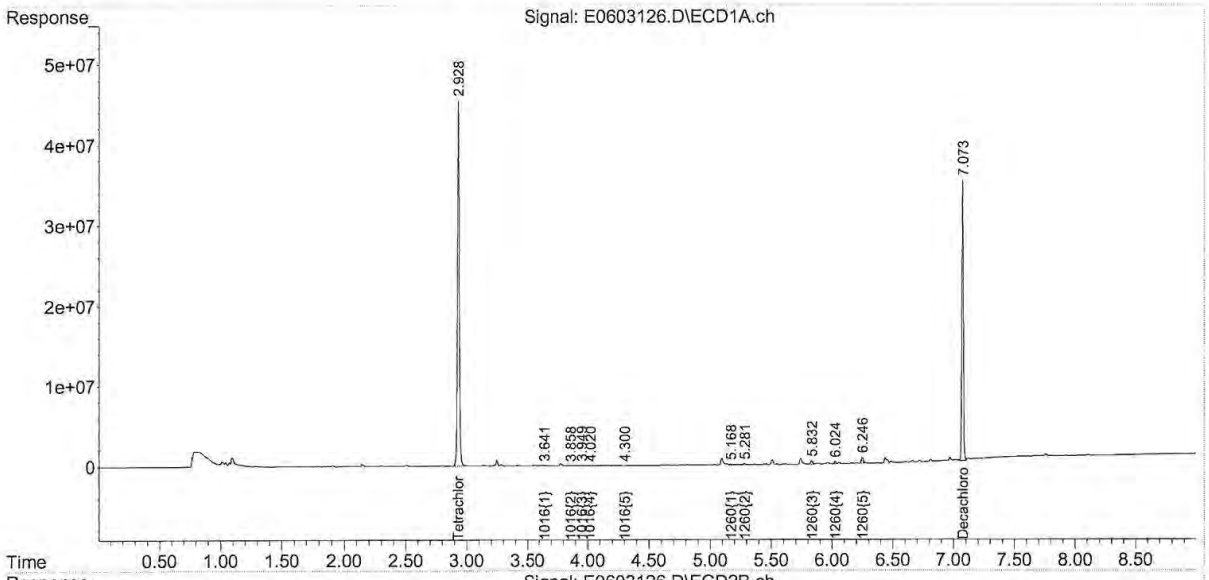

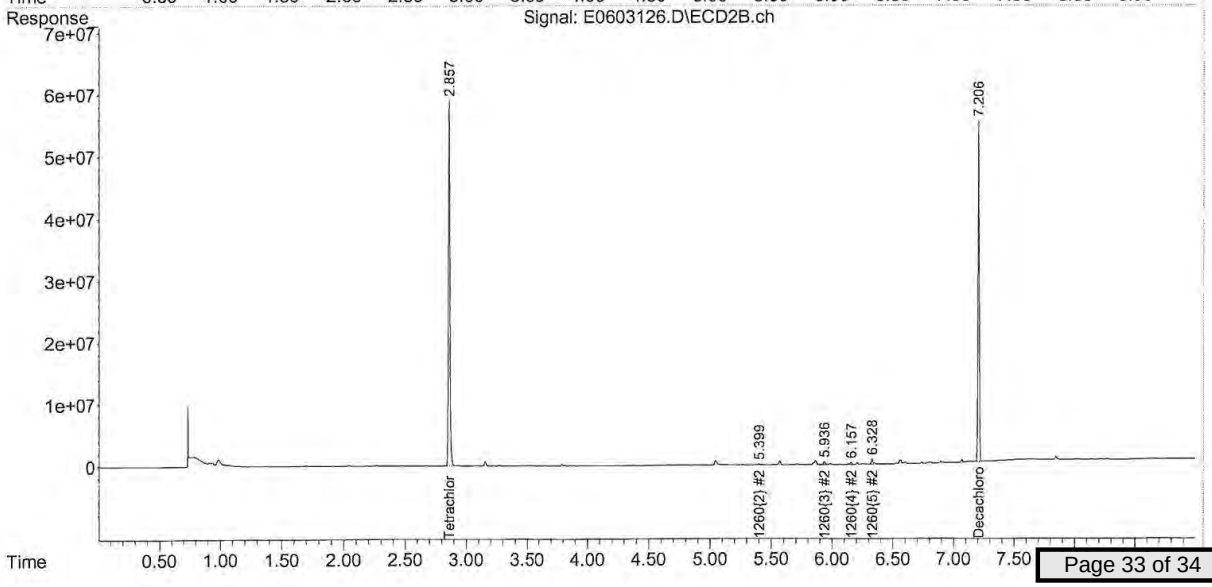

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0511

Laboratory Sample ID(s):

15E0511-06 thru 15E0511-18

Sample Date(s):

05/12/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** **Manager, Laboratory Reporting**

Printed Name: **Johanna K. Harrington** **Date:** **06/08/15**

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

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

June 3, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0513

Enclosed are results of analyses for samples received by the laboratory on May 12, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 6/3/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0513

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B173-1	15E0513-02	Soil		SM 2540G	
				SW-846 8082A	
B173-2	15E0513-03	Soil		SM 2540G	
				SW-846 8082A	
B178-1	15E0513-10	Soil		SM 2540G	
				SW-846 8082A	
B178-2	15E0513-11	Soil		SM 2540G	
				SW-846 8082A	

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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 8082A

Qualifications:

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.

Analyte & Samples(s) Qualified:

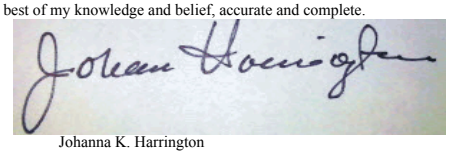
Decachlorobiphenyl
15E0513-02[B173-1]

Decachlorobiphenyl [2C]
15E0513-02[B173-1]

Tetrachloro-m-xylene
15E0513-02[B173-1]

Tetrachloro-m-xylene [2C]
15E0513-02[B173-1]

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



Johanna K. Harrington
Manager, Laboratory Reporting

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B173-1 Sampled: 5/12/2015 10:30

Sample ID: 15E0513-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1221 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1232 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1242 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1248 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1254 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1260 [1]	7.9	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1262 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1268 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/30/15 11:31
Decachlorobiphenyl [2]	*	30-150	S-01	5/30/15 11:31
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/30/15 11:31
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/30/15 11:31

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B173-1 Sampled: 5/12/2015 10:30

Sample ID: 15E0513-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.9		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B173-2 Sampled: 5/12/2015 10:32

Sample ID: 15E0513-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.5	30-150		5/29/15 15:26
Decachlorobiphenyl [2]	105	30-150		5/29/15 15:26
Tetrachloro-m-xylene [1]	85.5	30-150		5/29/15 15:26
Tetrachloro-m-xylene [2]	99.8	30-150		5/29/15 15:26

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B173-2 Sampled: 5/12/2015 10:32

Sample ID: 15E0513-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.0		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B178-1 Sampled: 5/12/2015 11:00

Sample ID: 15E0513-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1221 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1232 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1242 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1248 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1254 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1260 [1]	1.6	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1262 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1268 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.0	30-150		5/30/15 11:49
Decachlorobiphenyl [2]	127	30-150		5/30/15 11:49
Tetrachloro-m-xylene [1]	53.2	30-150		5/30/15 11:49
Tetrachloro-m-xylene [2]	48.0	30-150		5/30/15 11:49

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B178-1 Sampled: 5/12/2015 11:00

Sample ID: 15E0513-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.7		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B178-2 Sampled: 5/12/2015 11:02

Sample ID: 15E0513-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.5	30-150		5/29/15 15:51
Decachlorobiphenyl [2]	127	30-150		5/29/15 15:51
Tetrachloro-m-xylene [1]	84.8	30-150		5/29/15 15:51
Tetrachloro-m-xylene [2]	99.0	30-150		5/29/15 15:51

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B178-2 Sampled: 5/12/2015 11:02

Sample ID: 15E0513-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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con-test® ANALYTICAL LABORATORY
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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0513-02 [B173-1]	B122468	05/26/15
15E0513-03 [B173-2]	B122468	05/26/15
15E0513-10 [B178-1]	B122468	05/26/15
15E0513-11 [B178-2]	B122468	05/26/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0513-02 [B173-1]	B122439	10.2	10.0	05/23/15
15E0513-03 [B173-2]	B122439	10.4	10.0	05/23/15
15E0513-10 [B178-1]	B122439	10.2	10.0	05/23/15
15E0513-11 [B178-2]	B122439	10.2	10.0	05/23/15

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122439 - SW-846 3540C										
Blank (B122439-BLK1)				Prepared: 05/23/15 Analyzed: 05/27/15						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.152*		mg/Kg wet	0.200		76.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.205*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.154*		mg/Kg wet	0.200		76.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.193*		mg/Kg wet	0.200		96.4	30-150			
LCS (B122439-BS1)				Prepared: 05/23/15 Analyzed: 05/27/15						
Aroclor-1016	0.17	0.10	mg/Kg wet	0.200		84.8	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg wet	0.200		92.3	40-140			
Aroclor-1260	0.18	0.10	mg/Kg wet	0.200		90.0	40-140			
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200		98.1	40-140			
Surrogate: Decachlorobiphenyl	*0.156*		mg/Kg wet	0.200		78.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.180*		mg/Kg wet	0.200		89.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.152*		mg/Kg wet	0.200		75.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.165*		mg/Kg wet	0.200		82.7	30-150			
LCS Dup (B122439-BSD1)				Prepared: 05/23/15 Analyzed: 05/27/15						
Aroclor-1016	0.18	0.10	mg/Kg wet	0.200		90.2	40-140	6.13	30	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		98.7	40-140	6.68	30	
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		96.0	40-140	6.46	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		105	40-140	6.60	30	
Surrogate: Decachlorobiphenyl	*0.170*		mg/Kg wet	0.200		85.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.161*		mg/Kg wet	0.200		80.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.177*		mg/Kg wet	0.200		88.6	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B173-1

Lab Sample ID: 15E0513-02 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	7.9	
	2	0.00	-0.03	0.03	7.5	4.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B178-1

Lab Sample ID: 15E0513-10 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	1.6	
	2	0.00	-0.03	0.03	1.5	8.9

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122439-BS1 Date(s) Analyzed: 05/27/2015 05/27/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.18	6
Aroclor-1260	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.20	11

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122439-BSD1 Date(s) Analyzed: 05/27/2015 05/27/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.20	11
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.21	9

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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.
	No results have been blank subtracted unless specified in the case narrative section.
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 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

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

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

con-test® ANALYTICAL LABORATORY
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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0513

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Project #: 860 513-1483
Rocky Hill, CT 06067
Client PO#: 02274021 Release 00005
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #: sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
01	B172-5	5-12-15	1018		X	S	U			✓	1	I	A
02	B173-1		1030							✓			
03	B173-2		1032							✓			
04	B173-3		1034							✓			
05	B173-4		1036							✓			
06	B173-5		1038							✓			
07	B176-3		1044							✓			
08	B176-4		1046							✓			
09	B176-5		1048							✓			
10	B-178-1		1100		↓	↓	↓			✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Please hold for future extr. + analysis
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time: 5/12/15 13:30	
Relinquished by: (signature)	Date/Time: 5/12/15 17:35	
Received by: (signature) 5.1 5/12/15	Date/Time: 1735	

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

15E0513

Company Name: Weston and Sampson (for NUSCO)
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Address: 273 Dividend Rd
Project #: 860 513-1483
Rocky Hill, CT 06067
Client PO#: 02274021 Release 00005
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #: sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER ○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples
11	B178-2	5-12-15	1102		X	S	U			✓
12	B178-3		1104							✓
13	B178-4		1106							✓
14	B178-5		1108							✓
15	B177-3		1114							✓
16	B177-4		1116							✓
17	B177-5		1118							✓
18	B180-1		1130							✓
19	B180-2		1132							✓
20	B180-3	↓	1134		↓	↓	↓			✓

ANALYSIS REQUESTED

1																					# of Containers
I																					** Preservation
A																					***Container Code

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Please Hold Samples for future extr.+ Analysis
Note soxhlet extraction rqmts. for samples and TAT.

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: 5-12-15	
Received by: (signature) P.R.	Date/Time: 5-12-15 13:30	
Relinquished by: (signature)	Date/Time: 5-12-15 1735	
Received by: (signature) 5.1	Date/Time: 5/12/15 1735	

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

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

con-test® ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Weston and Simpson (Nusco) **RECEIVED BY:** JDL **DATE:** 5/12/15

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No — No CoC Included
2) **Does the chain agree with the samples?** (Yes) No
   If not, explain:
3) **Are all the samples in good condition?** (Yes) No
   If not, explain:
4) **How were the samples received:**
   On Ice ☒ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☒
   Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A
   Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.1
5) **Are there Dissolved samples for the lab to filter?** Yes (No)
   Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
   Who was notified _____ Date _____ Time _____
7) **Location where samples are stored:** 19
   Permission to subcontract samples? Yes No
   (Walk-in clients only) if not already approved
   Client Signature: _____
8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____
9) **Do all samples have the proper Base pH:** Yes No (N/A) _____
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	64
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

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Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

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

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** JDL **Date/Time:** 5/12/15 1735

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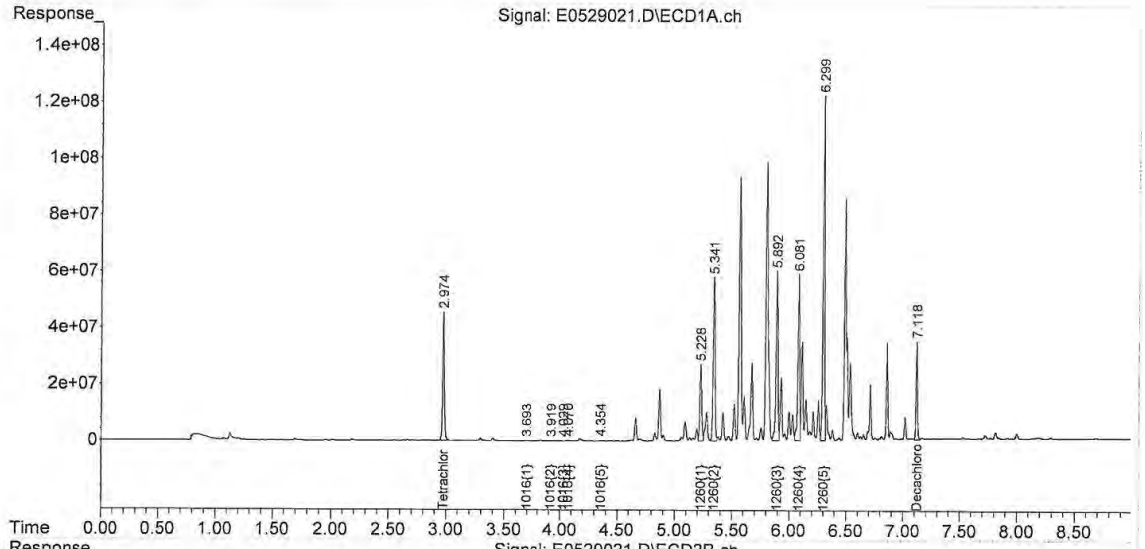
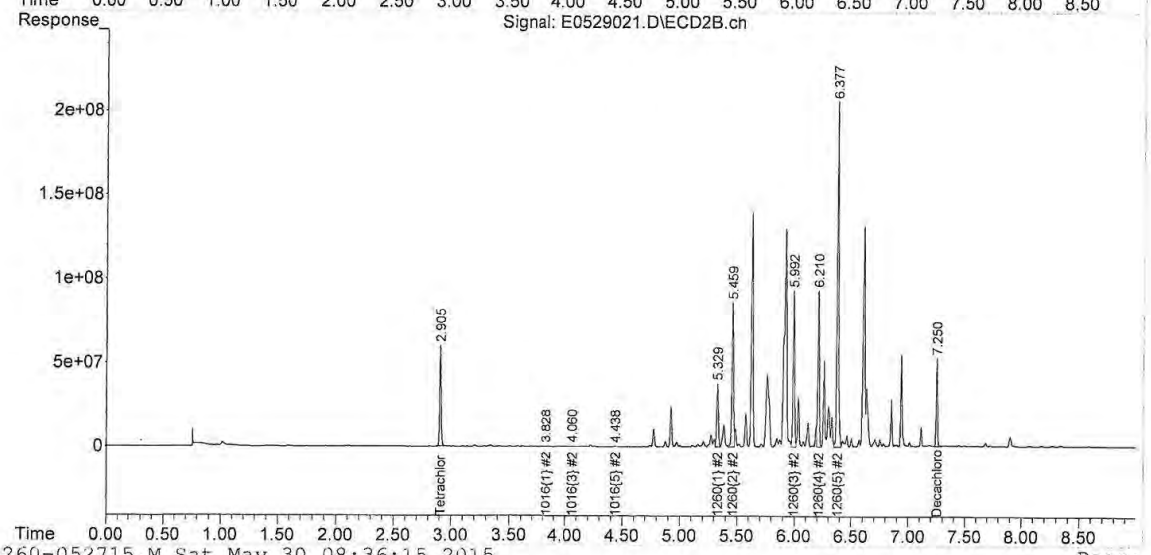
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\052915\
Data File : E0529021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2015 3:13 pm
Operator : JMB
Sample : 15E0513-02@5X TBA Inst : ECD 5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 30 08:36:14 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-052715.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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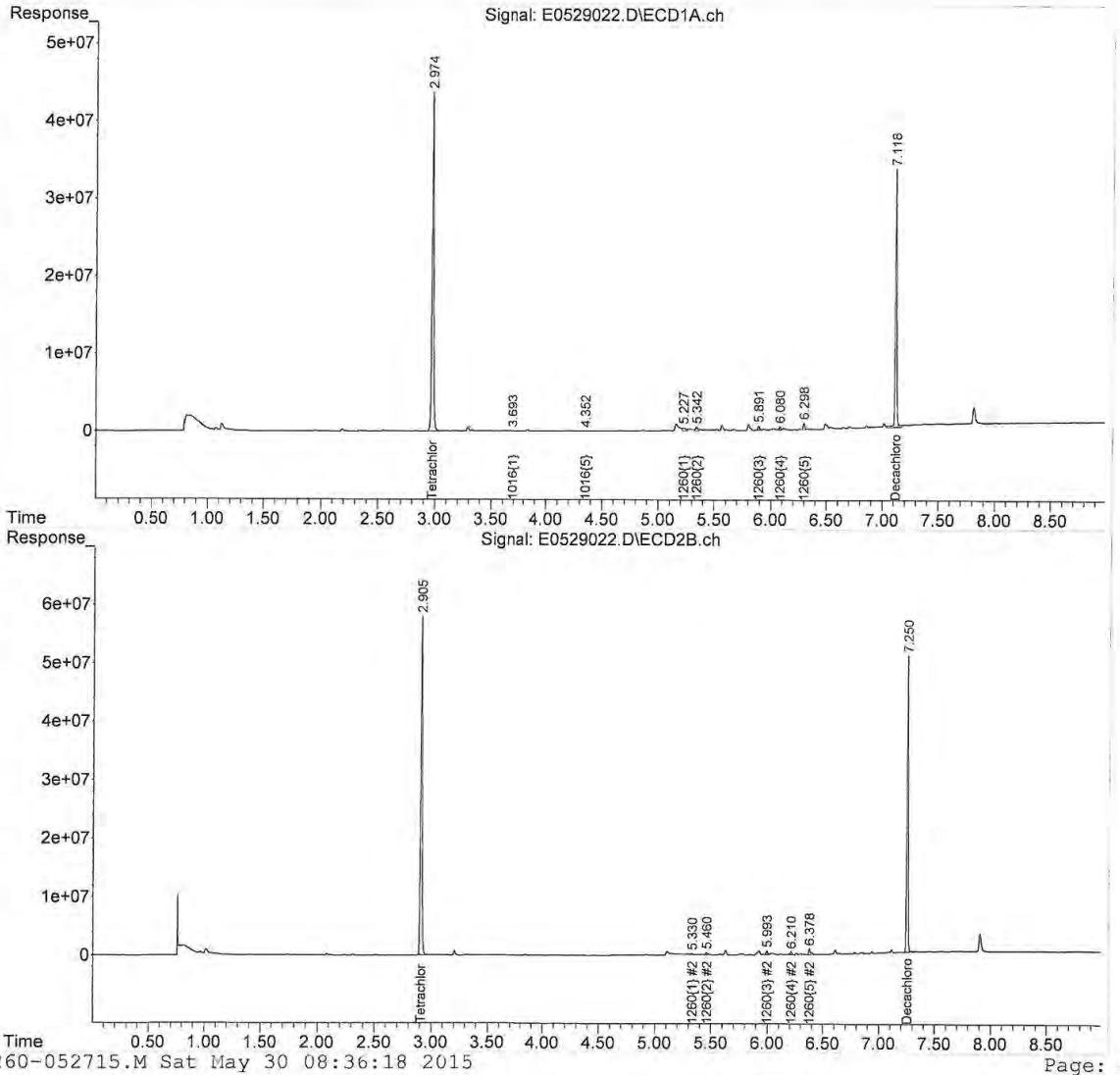
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\052915\
Data File : E0529022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2015 3:26 pm
Operator : JMB
Sample : 15E0513-03@5X TBA Inst : ECD 5
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 30 08:36:17 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-052715.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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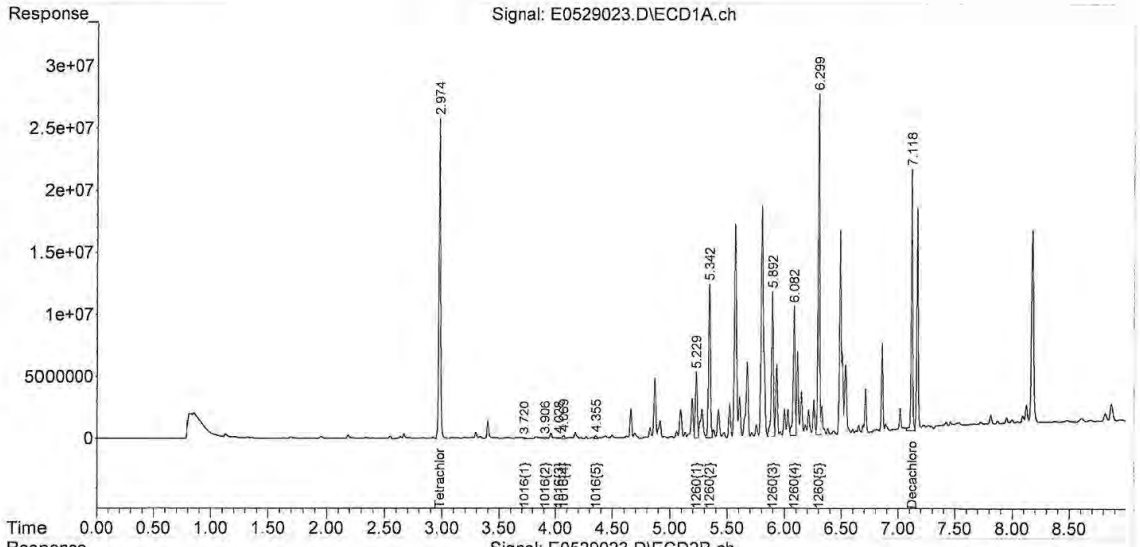
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\052915\
Data File : E0529023.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 29 May 2015   3:39 pm
Operator  : JMB
Sample    : 15E0513-10@5X TBA                    Inst    : ECD 5
Misc      :
ALS Vial  : 23   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 30 08:36:20 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-052715.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                  Signal #2 Phase:
Signal #1 Info  :                  Signal #2 Info :
```



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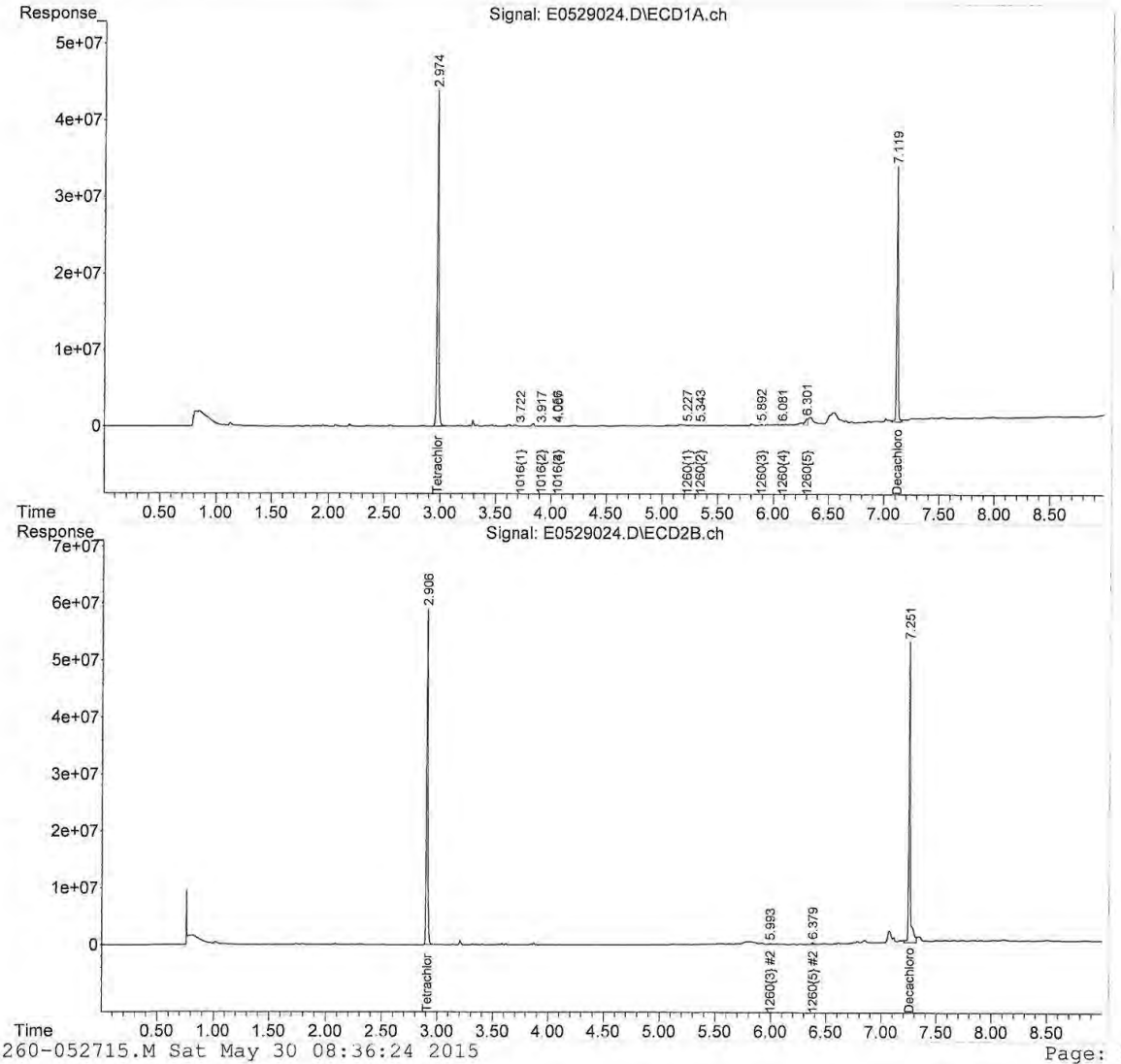
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\052915\
Data File : E0529024.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 29 May 2015   3:51 pm
Operator  : JMB
Sample    : 15E0513-11@5X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 24   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 30 08:36:23 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-052715.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



Jim Georgantas

Subject: FW: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Highlighted samples are to be analyzed:

B-143-1 -2 -3 -4
B-148-1 -2 -3 -4
B-149-1, -2 -3 -4
B-150-1, -2 -3 -4
B-151-1 -2 -3 -4
B-152-1 -2 -3 -4
B-153-1 -2 -3 -4
B-154-1 -2 -3 -4
B-157-1 -2 -3 -4
B-160-1 -2 -3 -4
B-161-1 -2 -3 -4
B-162-1 -2 -3 -4
B-163-1 -2 -3 -4
B-164-1 -2 -3 -4
B-165-1 -2 -3 -4
B-166-1 -2 -3 -4
B-167-1 -2 -3 -4
B-168-1 -2 -3 -4
B-169-1 -2 -3 -4
B-170-1 -2 -3 -4
B-171-1 -2 -3 -4
B-172-1 -2 -3 -4
B-173-1 -2 -3 -4
B-178-1 -2 -3 -4
B-180-1 -2 -3 -4
B-181-1 -2 -3 -4
B-182-1 -2 -3 -4

Thank you very much

Ken

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0513

Laboratory Sample ID(s):

15E0513-02 thru 15E0513-11

Sample Date(s):

05/12/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** **Manager, Laboratory Reporting**

Printed Name: **Johanna K. Harrington** **Date:** **06/03/15**

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

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

June 8, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0513

Enclosed are results of analyses for samples received by the laboratory on May 12, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 6/8/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0513

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B173-1	15E0513-02	Soil		SM 2540G	
				SW-846 8082A	
B173-2	15E0513-03	Soil		SM 2540G	
				SW-846 8082A	
B178-1	15E0513-10	Soil		SM 2540G	
				SW-846 8082A	
B178-2	15E0513-11	Soil		SM 2540G	
				SW-846 8082A	
B180-1	15E0513-18	Soil		SM 2540G	
				SW-846 8082A	
B180-2	15E0513-19	Soil		SM 2540G	
				SW-846 8082A	

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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.

REVISED REPORT 06/08/15 - Samples 15E0513-18 & -19 reported per client request.

SW-846 8082A

Qualifications:

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.

Analyte & Samples(s) Qualified:

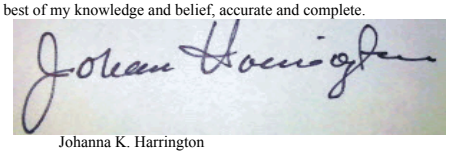
Decachlorobiphenyl
15E0513-02[B173-1]

Decachlorobiphenyl [2C]
15E0513-02[B173-1]

Tetrachloro-m-xylene
15E0513-02[B173-1]

Tetrachloro-m-xylene [2C]
15E0513-02[B173-1]

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



Johanna K. Harrington
Manager, Laboratory Reporting

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B173-1 Sampled: 5/12/2015 10:30

Sample ID: 15E0513-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1221 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1232 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1242 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1248 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1254 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1260 [1]	7.9	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1262 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB
Aroclor-1268 [1]	ND	1.3	mg/Kg dry	50		SW-846 8082A	5/23/15	5/30/15 11:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/30/15 11:31
Decachlorobiphenyl [2]	*	30-150	S-01	5/30/15 11:31
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/30/15 11:31
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/30/15 11:31

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B173-1 Sampled: 5/12/2015 10:30

Sample ID: 15E0513-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.9		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B173-2 Sampled: 5/12/2015 10:32

Sample ID: 15E0513-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.5	30-150		5/29/15 15:26
Decachlorobiphenyl [2]	105	30-150		5/29/15 15:26
Tetrachloro-m-xylene [1]	85.5	30-150		5/29/15 15:26
Tetrachloro-m-xylene [2]	99.8	30-150		5/29/15 15:26

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B173-2 Sampled: 5/12/2015 10:32

Sample ID: 15E0513-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.0		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B178-1 Sampled: 5/12/2015 11:00

Sample ID: 15E0513-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1221 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1232 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1242 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1248 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1254 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1260 [1]	1.6	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1262 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB
Aroclor-1268 [1]	ND	0.24	mg/Kg dry	10		SW-846 8082A	5/23/15	5/30/15 11:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.0	30-150		5/30/15 11:49
Decachlorobiphenyl [2]	127	30-150		5/30/15 11:49
Tetrachloro-m-xylene [1]	53.2	30-150		5/30/15 11:49
Tetrachloro-m-xylene [2]	48.0	30-150		5/30/15 11:49

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B178-1 Sampled: 5/12/2015 11:00

Sample ID: 15E0513-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	80.7		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B178-2 Sampled: 5/12/2015 11:02

Sample ID: 15E0513-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/29/15 15:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.5	30-150		5/29/15 15:51
Decachlorobiphenyl [2]	127	30-150		5/29/15 15:51
Tetrachloro-m-xylene [1]	84.8	30-150		5/29/15 15:51
Tetrachloro-m-xylene [2]	99.0	30-150		5/29/15 15:51

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B178-2 Sampled: 5/12/2015 11:02

Sample ID: 15E0513-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.9		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B180-1 Sampled: 5/12/2015 11:30

Sample ID: 15E0513-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:42	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:42	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:42	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:42	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:42	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:42	KAL
Aroclor-1260 [2]	0.65	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:42	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:42	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:42	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.9	30-150		6/4/15 16:42
Decachlorobiphenyl [2]	110	30-150		6/4/15 16:42
Tetrachloro-m-xylene [1]	88.6	30-150		6/4/15 16:42
Tetrachloro-m-xylene [2]	99.0	30-150		6/4/15 16:42

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B180-1 Sampled: 5/12/2015 11:30

Sample ID: 15E0513-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.2		% Wt	1		SM 2540G	5/23/15	5/26/15 7:45	MRL

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B180-2 Sampled: 5/12/2015 11:32

Sample ID: 15E0513-19

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:54	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:54	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:54	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:54	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:54	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:54	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:54	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:54	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	6/4/15 16:54	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.6	30-150		6/4/15 16:54
Decachlorobiphenyl [2]	99.8	30-150		6/4/15 16:54
Tetrachloro-m-xylene [1]	84.0	30-150		6/4/15 16:54
Tetrachloro-m-xylene [2]	95.3	30-150		6/4/15 16:54

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0513

Date Received: 5/12/2015

Field Sample #: B180-2 Sampled: 5/12/2015 11:32

Sample ID: 15E0513-19

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.4		% Wt	1		SM 2540G	5/23/15	5/26/15 7:45	MRL

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
15E0513-18 [B180-1]	B122229	05/23/15
15E0513-19 [B180-2]	B122229	05/23/15

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0513-02 [B173-1]	B122468	05/26/15
15E0513-03 [B173-2]	B122468	05/26/15
15E0513-10 [B178-1]	B122468	05/26/15
15E0513-11 [B178-2]	B122468	05/26/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0513-02 [B173-1]	B122439	10.2	10.0	05/23/15
15E0513-03 [B173-2]	B122439	10.4	10.0	05/23/15
15E0513-10 [B178-1]	B122439	10.2	10.0	05/23/15
15E0513-11 [B178-2]	B122439	10.2	10.0	05/23/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0513-18 [B180-1]	B122453	10.1	10.0	05/26/15
15E0513-19 [B180-2]	B122453	10.1	10.0	05/26/15

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122439 - SW-846 3540C										
Blank (B122439-BLK1)				Prepared: 05/23/15 Analyzed: 05/27/15						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.152*		mg/Kg wet	0.200		76.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.205*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.154*		mg/Kg wet	0.200		76.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.193*		mg/Kg wet	0.200		96.4	30-150			
LCS (B122439-BS1)				Prepared: 05/23/15 Analyzed: 05/27/15						
Aroclor-1016	0.17	0.10	mg/Kg wet	0.200		84.8	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg wet	0.200		92.3	40-140			
Aroclor-1260	0.18	0.10	mg/Kg wet	0.200		90.0	40-140			
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.200		98.1	40-140			
Surrogate: Decachlorobiphenyl	*0.156*		mg/Kg wet	0.200		78.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.180*		mg/Kg wet	0.200		89.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.152*		mg/Kg wet	0.200		75.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.165*		mg/Kg wet	0.200		82.7	30-150			
LCS Dup (B122439-BSD1)				Prepared: 05/23/15 Analyzed: 05/27/15						
Aroclor-1016	0.18	0.10	mg/Kg wet	0.200		90.2	40-140	6.13	30	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		98.7	40-140	6.68	30	
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		96.0	40-140	6.46	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		105	40-140	6.60	30	
Surrogate: Decachlorobiphenyl	*0.170*		mg/Kg wet	0.200		85.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg wet	0.200		93.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.161*		mg/Kg wet	0.200		80.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.177*		mg/Kg wet	0.200		88.6	30-150			

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122453 - SW-846 3540C										
Blank (B122453-BLK1)				Prepared: 05/26/15 Analyzed: 05/30/15						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.231*		mg/Kg wet	0.200		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.218*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg wet	0.200		99.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.209*		mg/Kg wet	0.200		104	30-150			
LCS (B122453-BS1)				Prepared: 05/26/15 Analyzed: 05/30/15						
Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		110	40-140			
Aroclor-1016 [2C]	0.23	0.10	mg/Kg wet	0.200		113	40-140			
Aroclor-1260	0.23	0.10	mg/Kg wet	0.200		116	40-140			
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		117	40-140			
Surrogate: Decachlorobiphenyl	*0.230*		mg/Kg wet	0.200		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.219*		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	*0.191*		mg/Kg wet	0.200		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.210*		mg/Kg wet	0.200		105	30-150			
LCS Dup (B122453-BSD1)				Prepared: 05/26/15 Analyzed: 05/30/15						
Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		109	40-140	0.674	30	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		112	40-140	0.470	30	
Aroclor-1260	0.23	0.10	mg/Kg wet	0.200		116	40-140	0.437	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		117	40-140	0.387	30	
Surrogate: Decachlorobiphenyl	*0.227*		mg/Kg wet	0.200		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.219*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.188*		mg/Kg wet	0.200		94.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.207*		mg/Kg wet	0.200		103	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B173-1

Lab Sample ID: 15E0513-02 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	7.9	
	2	0.00	-0.03	0.03	7.5	4.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B178-1

Lab Sample ID: 15E0513-10 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	1.6	
	2	0.00	-0.03	0.03	1.5	8.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B180-1

Lab Sample ID: 15E0513-18 Date(s) Analyzed: 06/04/2015 06/04/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.54	
	2	0.00	-0.03	0.03	0.65	17.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122439-BS1 Date(s) Analyzed: 05/27/2015 05/27/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.18	6
Aroclor-1260	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.20	11

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122439-BSD1 Date(s) Analyzed: 05/27/2015 05/27/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.20	11
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.21	9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122453-BS1 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.23	4
Aroclor-1260	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.23	1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122453-BSD1 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.22	0
Aroclor-1260	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.23	1

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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.
	No results have been blank subtracted unless specified in the case narrative section.
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 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

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

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

con-test® ANALYTICAL LABORATORY

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www.contestlabs.com

39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0513

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473

Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483

Attention: Ken Gendron
Client PO# 02274021 Release 00005

Project Location: Berlin Settling Pond (Berlin, CT)

Sampled By: Will Sirotnak

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
01	B172-5	5-12-15	1018		X	S	U			✓			
02	B173-1		1030							✓			
03	B173-2		1032							✓			
04	B173-3		1034							✓			
05	B173-4		1036							✓			
06	B173-5		1038							✓			
07	B176-3		1044							✓			
08	B176-4		1046							✓			
09	B176-5		1048							✓			
10	B-178-1		1100		↓	↓	↓			✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Please hold for future extr. + analysis

Note soxhlet extraction rqmts. for samples and TAT.

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: 5-12-15	
Received by: (signature)	Date/Time: 5/12/15 13:30	
Relinquished by: (signature)	Date/Time: 5/12/15 17:35	
Received by: (signature)	Date/Time: 5/12/15 1735	

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
ACCREDITED LABORATORY AIHA
NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 55
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39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0513

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Project #: 860 513-1483
Rocky Hill, CT 06067
Client PO#: 02274021 Release 00005
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

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

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #: sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples
11	B178-2	5-12-15	1102		X	S	U			✓
12	B178-3		1104							✓
13	B178-4		1106							✓
14	B178-5		1108							✓
15	B177-3		1114							✓
16	B177-4		1116							✓
17	B177-5		1118							✓
18	B180-1		1130							✓
19	B180-2		1132							✓
20	B180-3	↓	1134		↓	↓	↓			✓

1 # of Containers
I ** Preservation
A ***Container Code

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Please Hold Samples for future extr.+ Analysis

Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:
[signature] 5-12-15	
Received by: (signature) P.R. [signature] 13:30	Date/Time: 5.12.15
Relinquished by: (signature) [signature]	Date/Time: 5.12.15 1735
Received by: (signature) [signature] 5.1 5/12/15	Date/Time: 1735

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

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con-test® ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Weston and Simpson (Nusco) RECEIVED BY: JDL DATE: 5/12/15

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

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

If not, explain:

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

If not, explain:

4) **How were the samples received:**

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.1

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

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

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

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

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	64
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

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

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** JDL **Date/Time:** 5/12/15 1735

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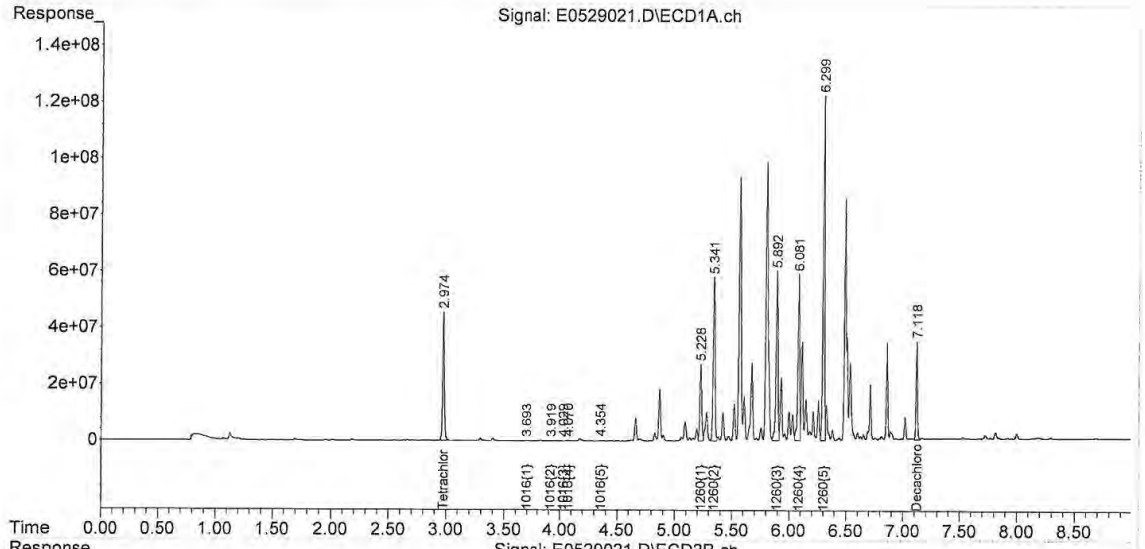
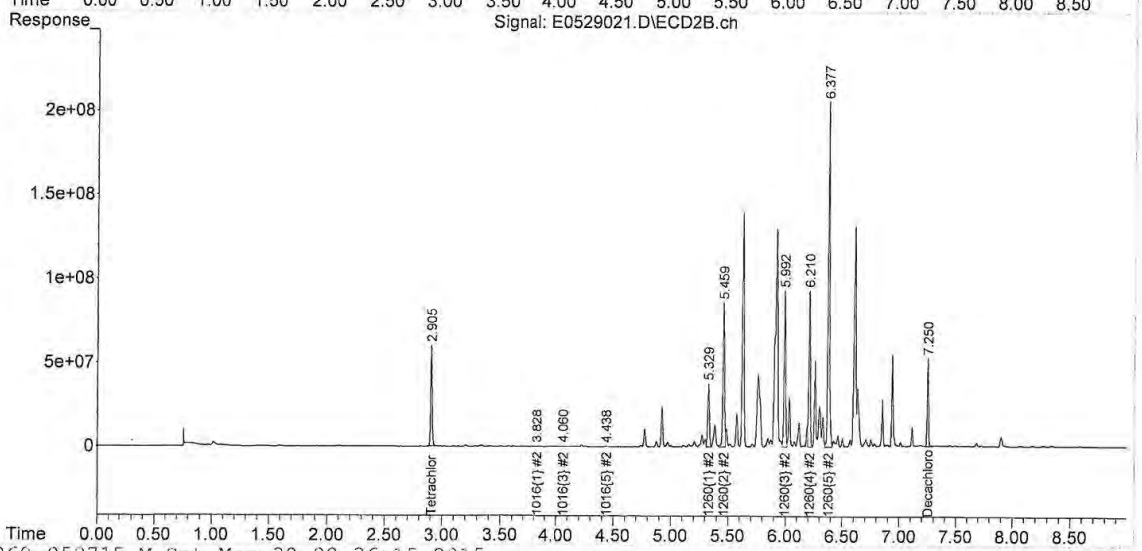
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\052915\
Data File : E0529021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2015 3:13 pm
Operator : JMB
Sample : 15E0513-02@5X TBA Inst : ECD 5
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 30 08:36:14 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-052715.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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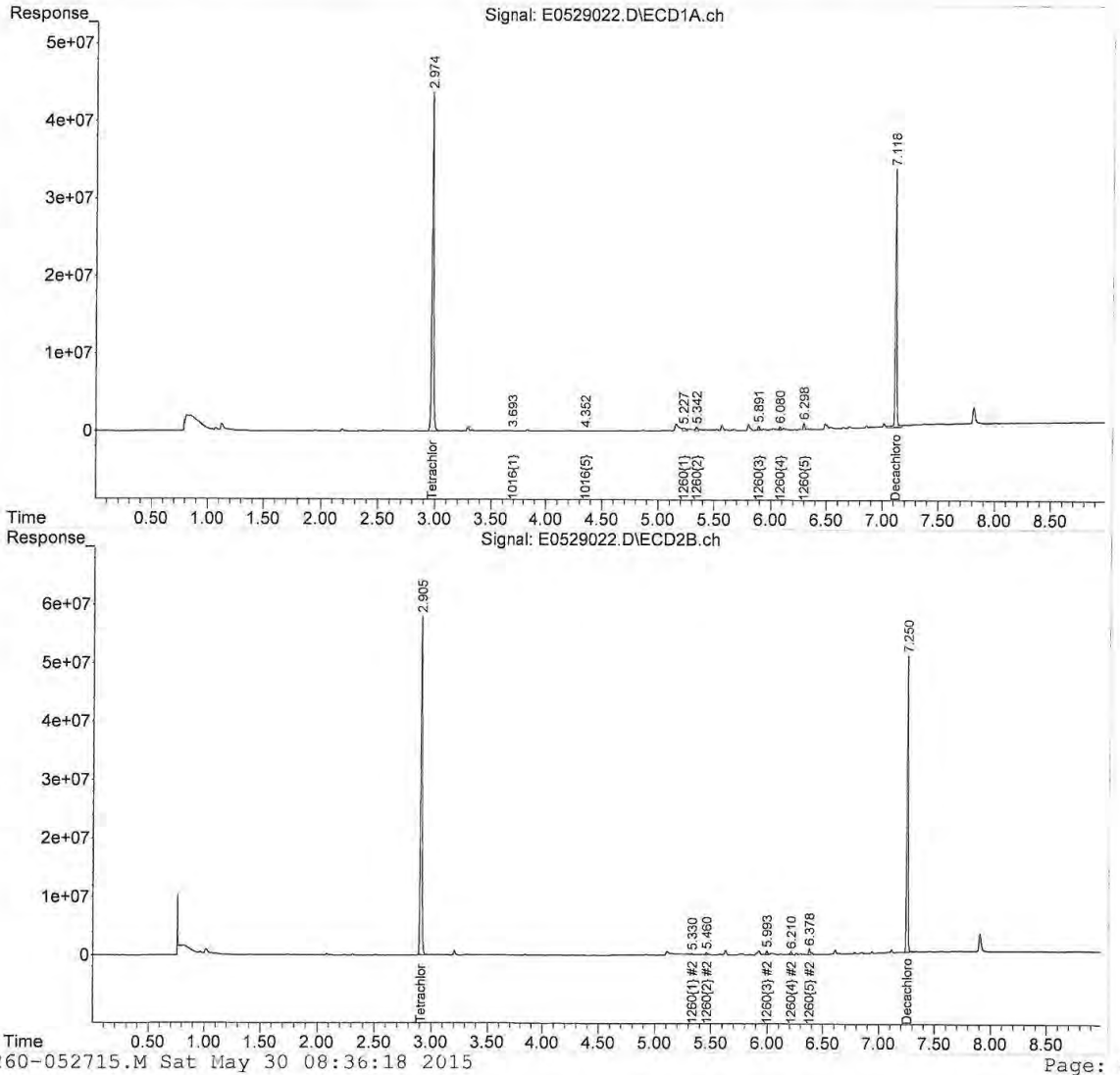
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\052915\
Data File : E0529022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2015 3:26 pm
Operator : JMB
Sample : 15E0513-03@5X TBA Inst : ECD 5
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 30 08:36:17 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-052715.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



5-1260-052715.M Sat May 30 08:36:18 2015 Page: 2

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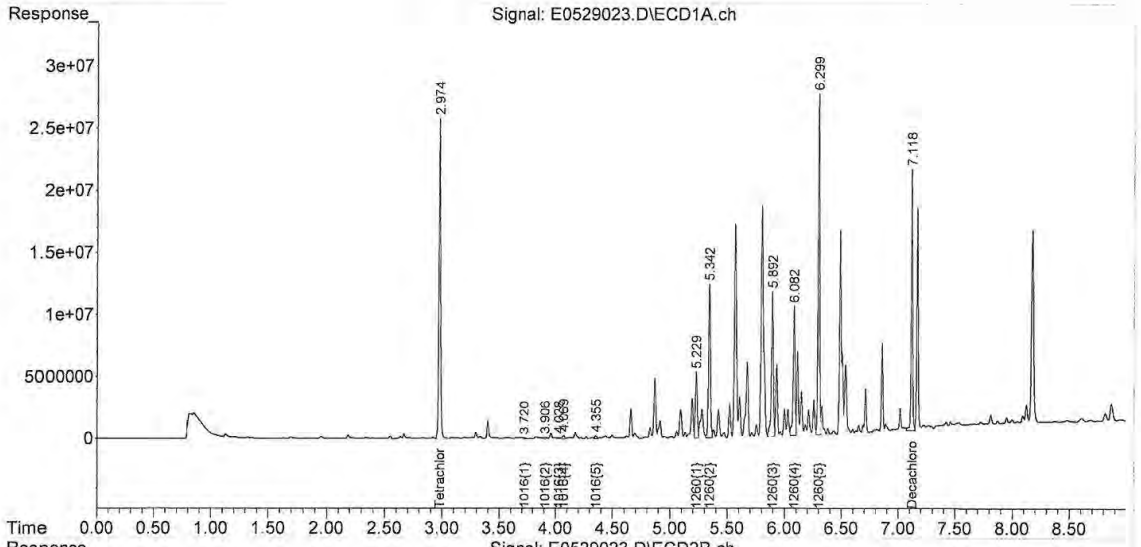
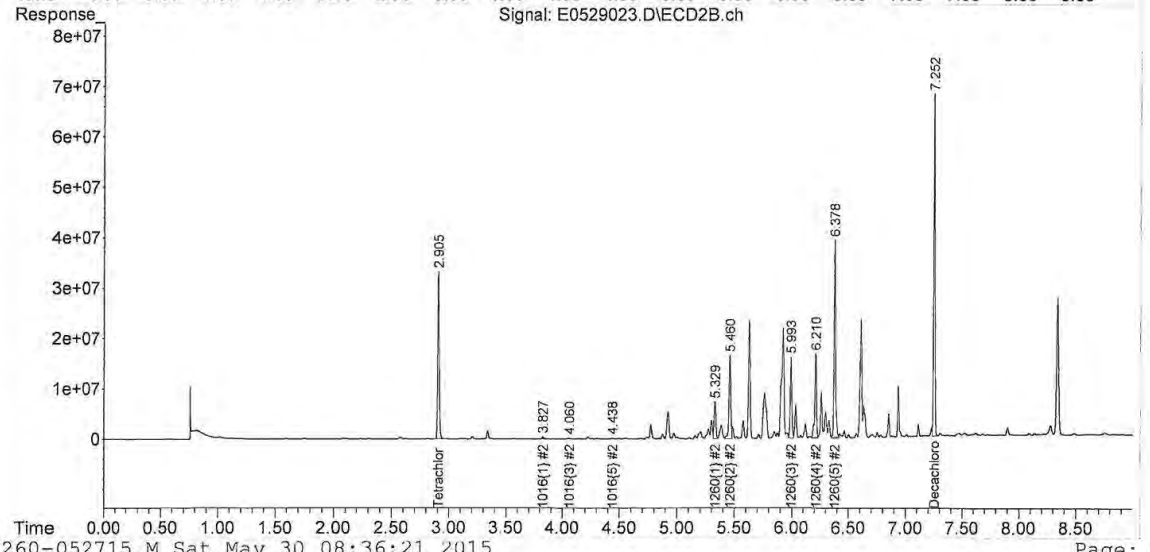
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\052915\
Data File : E0529023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2015 3:39 pm
Operator : JMB
Sample : 15E0513-10@5X TBA Inst : ECD 5
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 30 08:36:20 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-052715.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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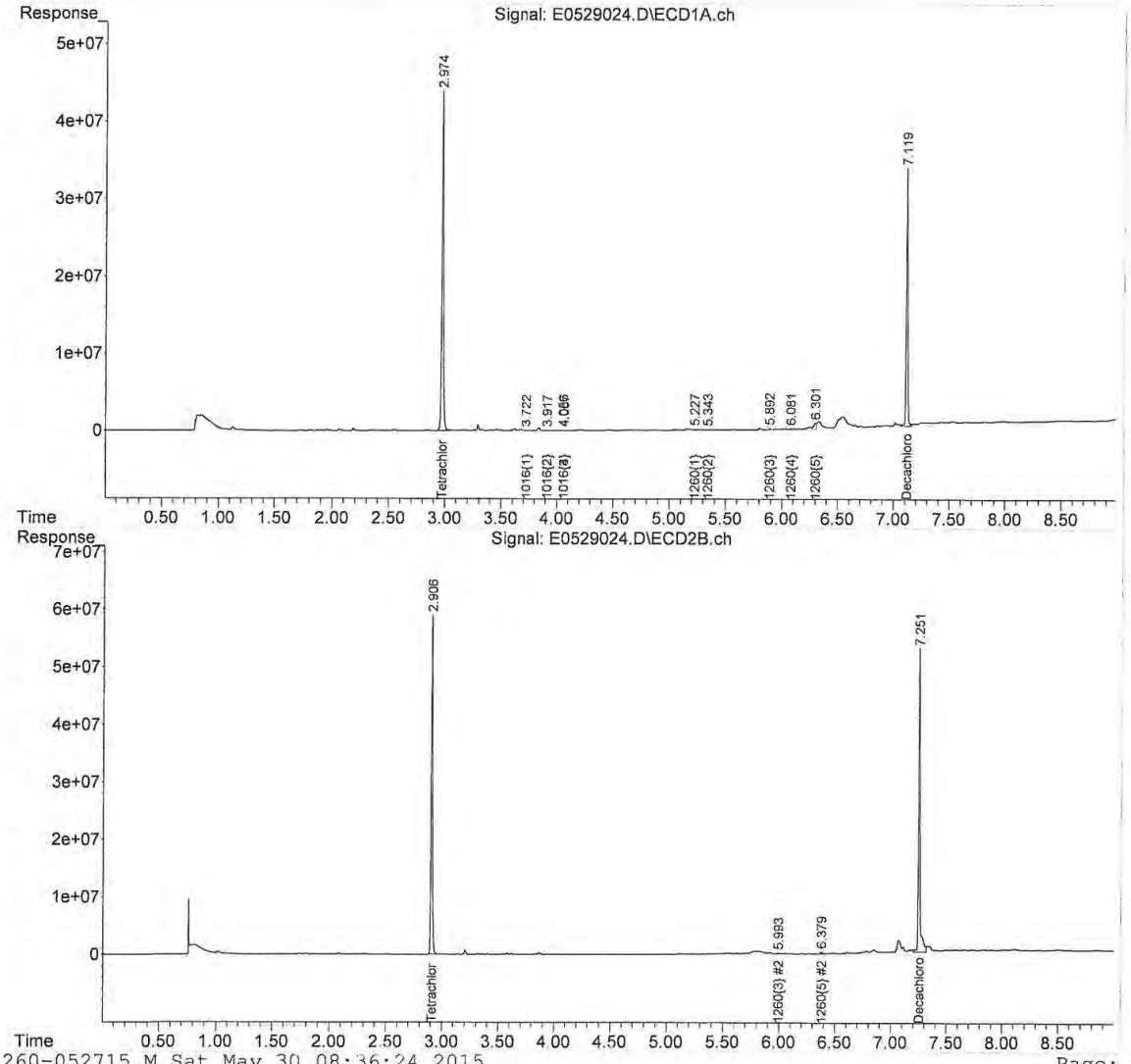
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\052915\
Data File : E0529024.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 29 May 2015   3:51 pm
Operator  : JMB
Sample    : 15E0513-11@5X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 24   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 30 08:36:23 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-052715.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



Jim Georgantas

Subject: FW: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Highlighted samples are to be analyzed:

B-143-1 -2 -3 -4
B-148-1 -2 -3 -4
B-149-1, -2 -3 -4
B-150-1, -2 -3 -4
B-151-1 -2 -3 -4
B-152-1 -2 -3 -4
B-153-1 -2 -3 -4
B-154-1 -2 -3 -4
B-157-1 -2 -3 -4
B-160-1 -2 -3 -4
B-161-1 -2 -3 -4
B-162-1 -2 -3 -4
B-163-1 -2 -3 -4
B-164-1 -2 -3 -4
B-165-1 -2 -3 -4
B-166-1 -2 -3 -4
B-167-1 -2 -3 -4
B-168-1 -2 -3 -4
B-169-1 -2 -3 -4
B-170-1 -2 -3 -4
B-171-1 -2 -3 -4
B-172-1 -2 -3 -4
B-173-1 -2 -3 -4
B-178-1 -2 -3 -4
B-180-1 -2 -3 -4
B-181-1 -2 -3 -4
B-182-1 -2 -3 -4

Thank you very much

Ken

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0513

Laboratory Sample ID(s):

15E0513-02 thru 15E0513-11

Sample Date(s):

05/12/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** **Manager, Laboratory Reporting**

Printed Name: **Johanna K. Harrington** **Date:** **06/03/15**

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

Jim Georgantas

To: 'John Beane'; pgryszkiewicz@contestlabs.com; Marissa Cagan; 'Carla Tester'; 'Kristin Legutki'
Cc: Johanna Harrington; Daren Damboragian; 'Tod E. Kopyscinski'
Subject: NU reactivations

The following samples have been taken off of extract & hold:

180-1 and -2 15E0513-18 & -19
172-1 and -2 15E0511-17 & -18

Thanks,
Jim

James Georgantas
Project Manager
Con-Test Analytical Laboratory
39 Spruce Street, East Longmeadow, MA 01028
Phone: (413) 525-2332 | Email: jgeorgantas@contestlabs.com



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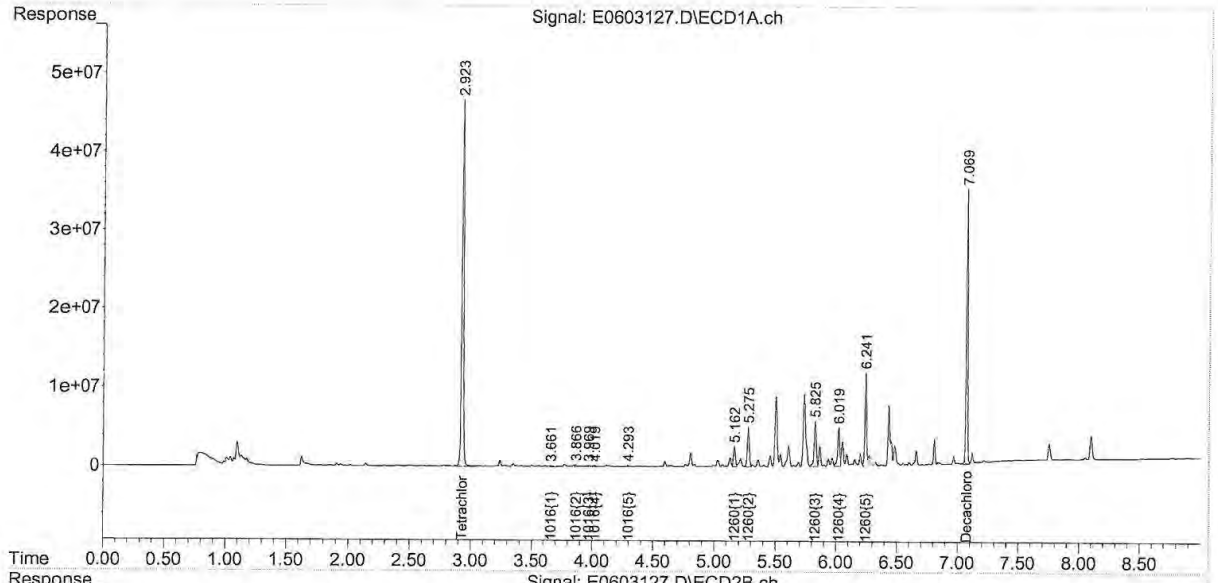
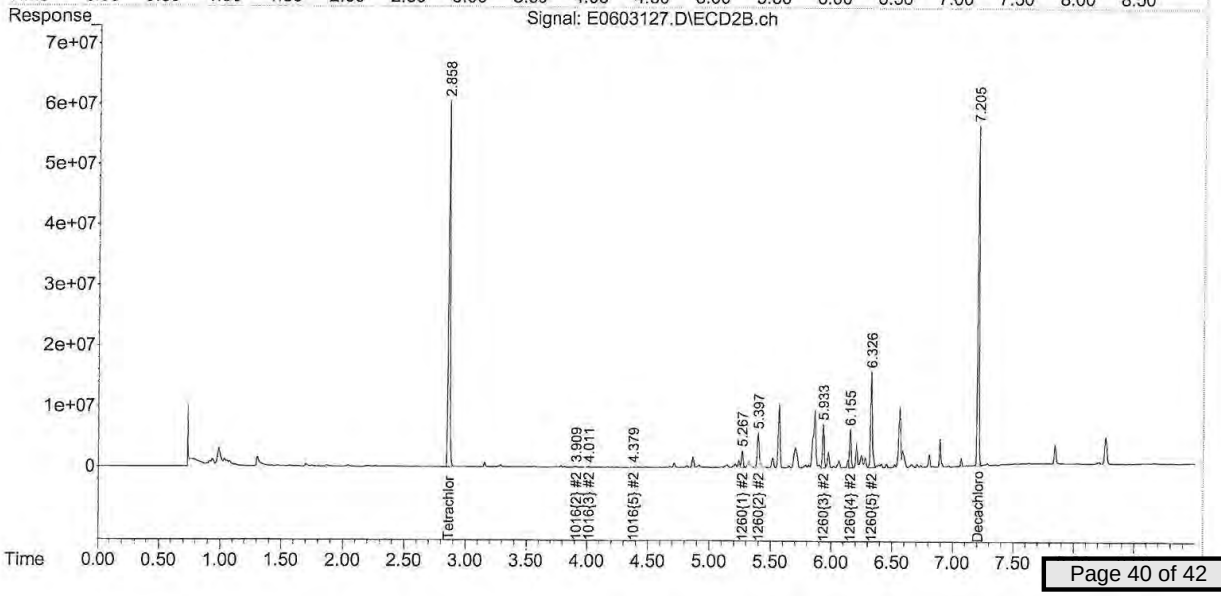
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060315\
Data File : E0603127.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 4 Jun 2015 4:42 pm
Operator : JMB
Sample : 15E0513-18@5X TBA Inst : ECD 5
Misc :
ALS Vial : 28 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: Jun 04 18:24:58 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-060115.M
Quant Title : 1260/1016 04/27/15 02/25/15 ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





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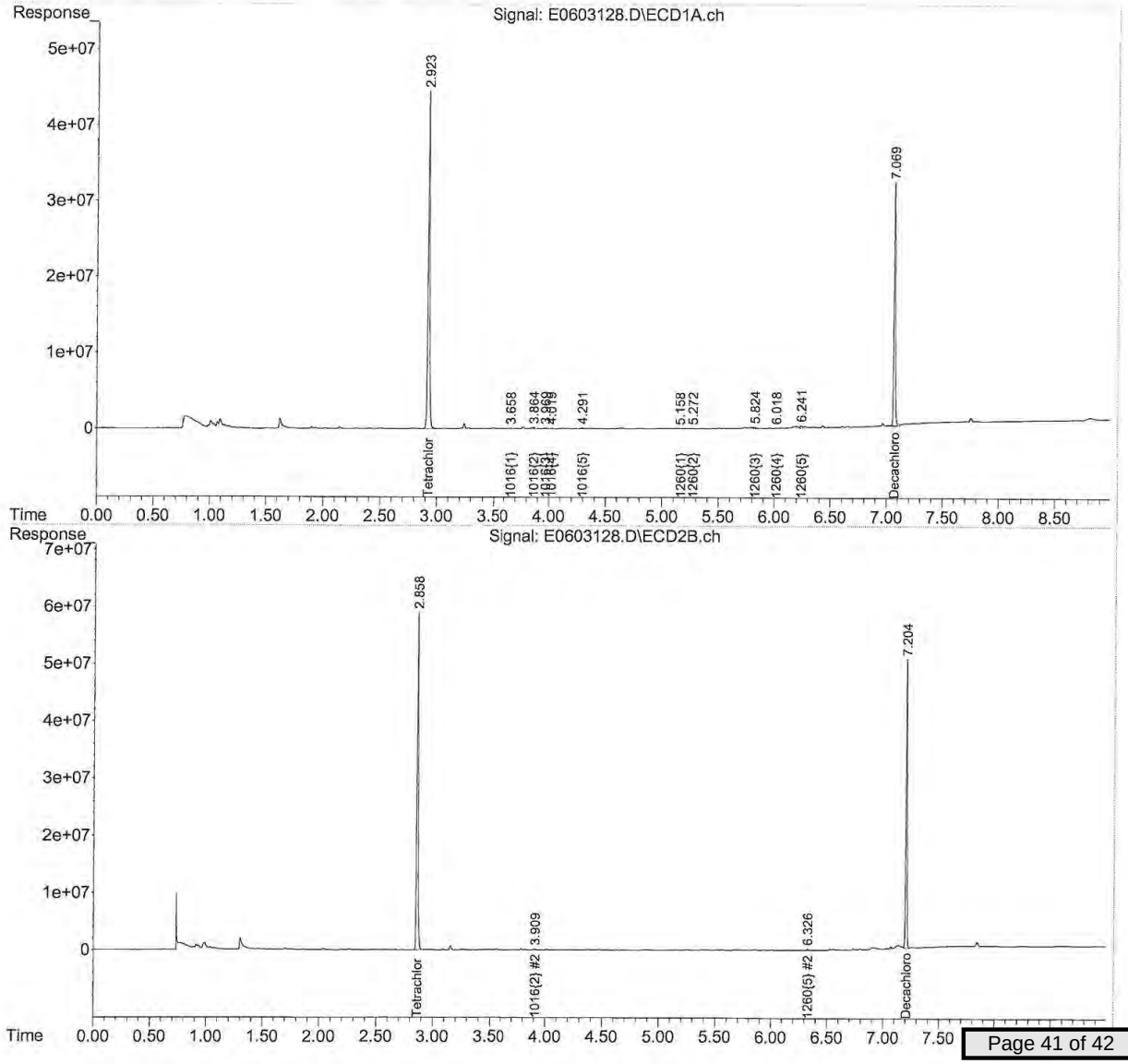
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\060315\
Data File : E0603128.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    :  4 Jun 2015    4:54 pm
Operator  : JMB
Sample    : 15E0513-19@5X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 29   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: Jun 04 18:25:03 2015
Quant Method : C:\msdchem\1\METHODS\PCB methods\5-1260-060115.M
Quant Title  : 1260/1016   04/27/15   02/25/15   ICAL 1500139
QLast Update : Wed May 27 17:21:01 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     :
Signal #1 Phase :                    Signal #2 Phase:
Signal #1 Info  :                    Signal #2 Info :
```



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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0513

Laboratory Sample ID(s):

15E0513-02 thru 15E0513-19

Sample Date(s):

05/12/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** **Manager, Laboratory Reporting**

Printed Name: **Johanna K. Harrington** **Date:** **06/08/15**

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

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

June 3, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0514

Enclosed are results of analyses for samples received by the laboratory on May 12, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 6/3/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0514

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B161-1	15E0514-14	Soil		SM 2540G	
				SW-846 8082A	
B161-2	15E0514-15	Soil		SM 2540G	
				SW-846 8082A	

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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 8082A

Qualifications:

L-07A

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.

Analyte & Samples(s) Qualified:

Aroclor-1016
B122556-BS1

Aroclor-1016 [2C]
B122556-BS1

R-05

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

Analyte & Samples(s) Qualified:

Aroclor-1016
B122556-BLK1, B122556-BSD1

Aroclor-1016 [2C]
B122556-BLK1, B122556-BSD1

S-26

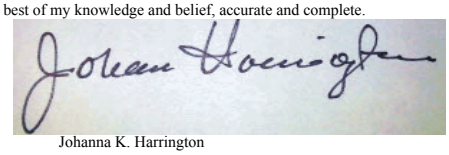
Surrogate outside of control limits.

Analyte & Samples(s) Qualified:

Tetrachloro-m-xylene
B122556-BS1

Tetrachloro-m-xylene [2C]
B122556-BS1

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



Johanna K. Harrington
Manager, Laboratory Reporting

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0514

Date Received: 5/12/2015

Field Sample #: B161-1 Sampled: 5/12/2015 12:40

Sample ID: 15E0514-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:40	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:40	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:40	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:40	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:40	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:40	JMB
Aroclor-1260 [1]	0.14	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:40	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:40	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.4	30-150		5/29/15 18:40
Decachlorobiphenyl [2]	124	30-150		5/29/15 18:40
Tetrachloro-m-xylene [1]	71.1	30-150		5/29/15 18:40
Tetrachloro-m-xylene [2]	62.8	30-150		5/29/15 18:40

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0514

Date Received: 5/12/2015

Field Sample #: B161-1 Sampled: 5/12/2015 12:40

Sample ID: 15E0514-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.8		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0514

Date Received: 5/12/2015

Field Sample #: B161-2 Sampled: 5/12/2015 12:42

Sample ID: 15E0514-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:53	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:53	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:53	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:53	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:53	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:53	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:53	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:53	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/29/15 18:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.3	30-150		5/29/15 18:53
Decachlorobiphenyl [2]	102	30-150		5/29/15 18:53
Tetrachloro-m-xylene [1]	101	30-150		5/29/15 18:53
Tetrachloro-m-xylene [2]	87.5	30-150		5/29/15 18:53

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0514

Date Received: 5/12/2015

Field Sample #: B161-2 Sampled: 5/12/2015 12:42

Sample ID: 15E0514-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.4		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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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
15E0514-14 [B161-1]	B122557	05/26/15
15E0514-15 [B161-2]	B122557	05/26/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0514-14 [B161-1]	B122556	10.1	10.0	05/26/15
15E0514-15 [B161-2]	B122556	10.0	10.0	05/26/15

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD		RPD Limit	Notes
Batch B122556 - SW-846 3540C												
Blank (B122556-BLK1)				Prepared: 05/26/15 Analyzed: 05/28/15								
Aroclor-1016	ND	0.020	mg/Kg wet									R-05
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet									R-05
Aroclor-1221	ND	0.020	mg/Kg wet									
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet									
Aroclor-1232	ND	0.020	mg/Kg wet									
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet									
Aroclor-1242	ND	0.020	mg/Kg wet									
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet									
Aroclor-1248	ND	0.020	mg/Kg wet									
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet									
Aroclor-1254	ND	0.020	mg/Kg wet									
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet									
Aroclor-1260	ND	0.020	mg/Kg wet									
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet									
Aroclor-1262	ND	0.020	mg/Kg wet									
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet									
Aroclor-1268	ND	0.020	mg/Kg wet									
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet									
Surrogate: Decachlorobiphenyl	*0.185*		mg/Kg wet	0.200		92.7		30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.196*		mg/Kg wet	0.200		98.0		30-150				
Surrogate: Tetrachloro-m-xylene	*0.145*		mg/Kg wet	0.200		72.4		30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*0.157*		mg/Kg wet	0.200		78.7		30-150				
LCS (B122556-BS1)				Prepared: 05/26/15 Analyzed: 05/28/15								
Aroclor-1016	0.042	0.10	mg/Kg wet	0.200		**21.0**	*	40-140				L-07A
Aroclor-1016 [2C]	0.045	0.10	mg/Kg wet	0.200		**22.6**	*	40-140				L-07A
Aroclor-1260	0.14	0.10	mg/Kg wet	0.200		69.0		40-140				
Aroclor-1260 [2C]	0.15	0.10	mg/Kg wet	0.200		75.5		40-140				
Surrogate: Decachlorobiphenyl	*0.153*		mg/Kg wet	0.200		76.5		30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.156*		mg/Kg wet	0.200		78.2		30-150				
Surrogate: Tetrachloro-m-xylene	*0.0166*		mg/Kg wet	0.200		**8.28**	*	30-150				S-26
Surrogate: Tetrachloro-m-xylene [2C]	*0.0175*		mg/Kg wet	0.200		**8.73**	*	30-150				S-26
LCS Dup (B122556-BSD1)				Prepared: 05/26/15 Analyzed: 05/28/15								
Aroclor-1016	0.098	0.10	mg/Kg wet	0.200		49.2		40-140	**80.5**	*	30	R-05
Aroclor-1016 [2C]	0.11	0.10	mg/Kg wet	0.200		53.4		40-140	**81.1**	*	30	R-05
Aroclor-1260	0.14	0.10	mg/Kg wet	0.200		67.5		40-140	2.07		30	
Aroclor-1260 [2C]	0.14	0.10	mg/Kg wet	0.200		71.4		40-140	5.50		30	
Surrogate: Decachlorobiphenyl	*0.131*		mg/Kg wet	0.200		65.5		30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.133*		mg/Kg wet	0.200		66.4		30-150				
Surrogate: Tetrachloro-m-xylene	*0.0672*		mg/Kg wet	0.200		33.6		30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*0.0718*		mg/Kg wet	0.200		35.9		30-150				

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

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 B122557 - % Solids										
Duplicate (B122557-DUP1)	**Source: 15E0514-14**			Prepared: 05/26/15 Analyzed: 05/27/15						
% Solids	89.3		% Wt		88.8			0.561	20	
Duplicate (B122557-DUP2)	**Source: 15E0514-15**			Prepared: 05/26/15 Analyzed: 05/27/15						
% Solids	85.2		% Wt		84.4			0.943	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B161-1

Lab Sample ID: 15E0514-14 Date(s) Analyzed: 05/29/2015 05/29/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.14	
	2	0.00	-0.03	0.03	0.13	10.2

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122556-BS1 Date(s) Analyzed: 05/28/2015 05/28/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.042	
	2	0.00	-0.03	0.03	0.045	7
Aroclor-1260	1	0.00	-0.03	0.03	0.14	
	2	0.00	-0.03	0.03	0.15	8

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122556-BSD1 Date(s) Analyzed: 05/28/2015 05/28/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.098	
	2	0.00	-0.03	0.03	0.11	11
Aroclor-1260	1	0.00	-0.03	0.03	0.14	
	2	0.00	-0.03	0.03	0.14	4

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.
	No results have been blank subtracted unless specified in the case narrative section.
L-07A	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD outside of control limits. Reduced precision anticipated for any reported result for this compound.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.
S-26	Surrogate outside of control limits.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

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Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0514

Company Name: Weston and Sampson (for NUSCO)
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

Telephone: 860 513-1473
Project # 860 513-1483
Client PO# 02274021 Release 00005

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples
01	B180-4	5-12-15	1136		X	S	U			✓
02	B180-5		1138							✓
03	B179-3		1204							✓
04	B179-4		1206							✓
05	B179-5		1208							✓
06	B140-3		1224							✓
07	B140-4		1226							✓
08	B140-5		1228							✓
09	B152-1		1230							✓
10	B152-2	↓	1232		↓	↓	↓			✓

ANALYSIS REQUESTED

# of Containers: 1 | I | A
** Preservation
***Container Code

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Please hold samples for possible future extra analysis
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:
[signature] 5-12-15	
Received by: (signature) P.R 13:30	Date/Time: 5-12-15
Relinquished by: (signature) [signature]	Date/Time: 5.13.15 1735
Received by: (signature) [signature] S.1 5/12/15	Date/Time: 1735

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac
AIHA ACCREDITED LABORATORY
NELAC & AIHA Certified
WBE/DBE Certified

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

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The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 55
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CHAIN OF CUSTODY RECORD

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Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

15E0514

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473

Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483

Attention: Ken Gendron
Client PO# 02274021 Release 00005

Project Location: Berlin Settling Pond (Berlin, CT)

Sampled By: Will Sirotnak

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

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER_____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
11	B152-3	5/12/15	1234		X	S	U			5	1	I	A
12	B152-4	↓	1236		↓	↓	↓			5	1	I	A
13	B152-5		1238							1	1	I	A
14	B161-1		1240							1	1	I	A
15	B161-2		1242							1	1	I	A
16	B161-3		1244							1	1	I	A
17	B161-4		1246							1	1	I	A
18	B161-5		1248							1	1	I	A
19	B167-1		1300							1	1	I	A
20	B167-2	↓	1302		↓	↓	↓			1	1	I	A

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Please hold for future extr. + analysis
Note soxhlet extraction rqmts. for samples and TAT.

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)	5/12/15	Date/Time:
Received by: (signature)		Date/Time: 5/12/15 1330
Relinquished by: (signature)		Date/Time: 5/12/15 1735
Received by: (signature)	5/12/15	Date/Time: 1735

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac — ACCREDITED LABORATORY AIHA
NELAC & AIHA Certified
WBE/DBE Certified

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39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0514

Company Name: Weston and Sampson (for NUSCO)
Address: 273 Dividend Rd
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Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

Telephone: 860 513-1473
Project #: 860 513-1483
Client PO#: 02274021 Release 00005

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax #: sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
21	B167-3	5/12/15	1304		X	S	U			✓	1	I	A
22	B167-4	"	1306		"	"	"			✓	"	"	"
23	B167-5	"	1308		"	"	"			✓	"	"	"
24	Dup-206	"	—		"	"	"			✓	"	"	"

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

***Cont. Code:**
A=amber glass
G=glass
P=plastic
ST=sterile
V= vial
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T = Na thiosulfate
O = Other_____

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

Comments: Please hold for future extn. + analysis
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature) 5/12/15 Date/Time:
Received by: (signature) Date/Time: 5.12.15 1735
Relinquished by: (signature) Date/Time: 5.12.15 1735
Received by: (signature) 5.12.15 Date/Time: 1735

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:

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◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

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The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 55
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39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Weston and Simpson (Nusco) RECEIVED BY: JDL DATE: 5/12/15

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

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

If not, explain:

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

If not, explain:

4) **How were the samples received:**

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 5.1

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

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

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

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

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	64
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

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Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

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

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** JDL **Date/Time:** 5/12/15 1735

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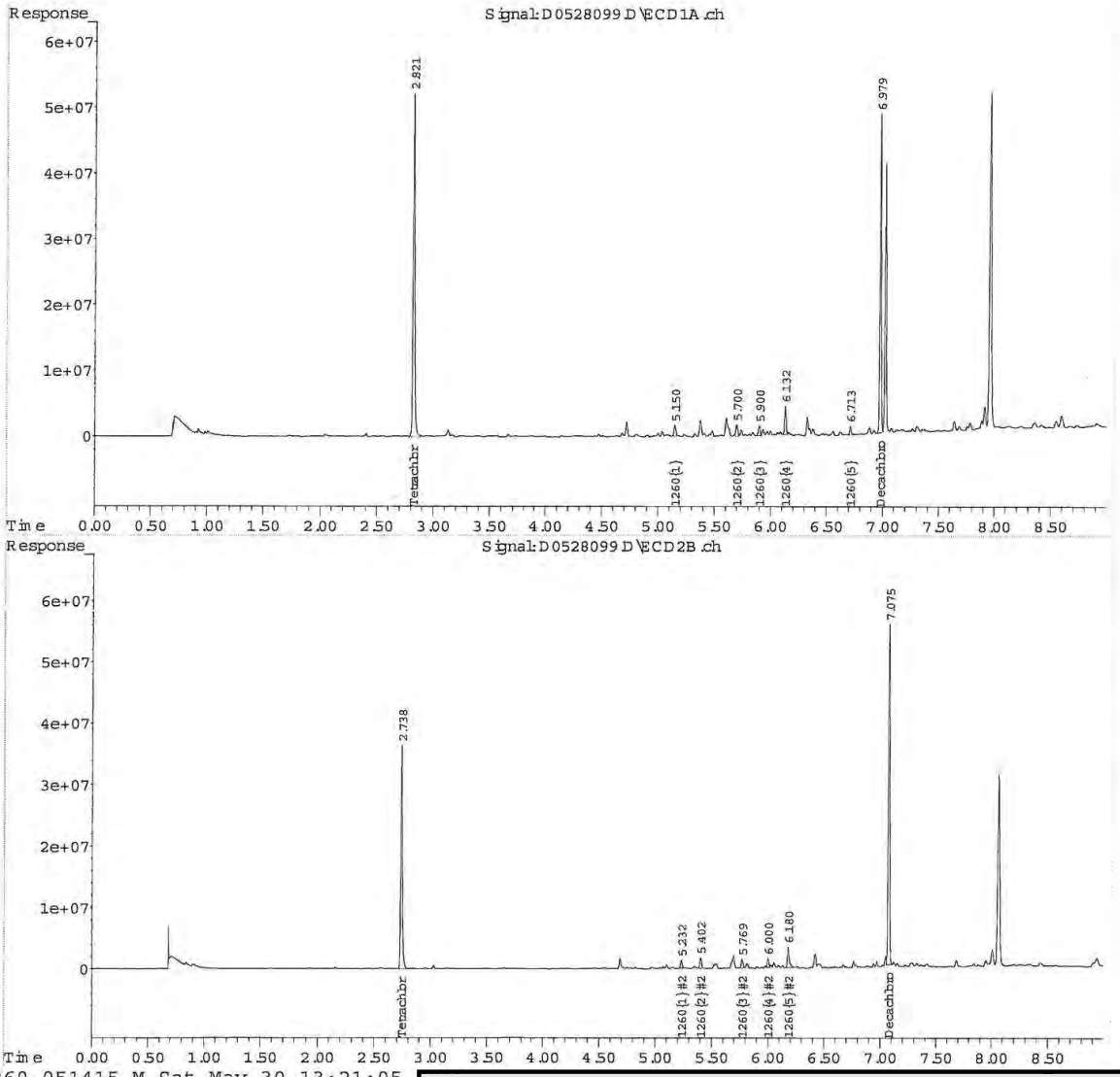
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\052815\
Data File : D0528099.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2015 6:40 pm
Operator : JMB
Sample : 15E0514-14@5X TBA Inst : ECD 4
Misc :
ALS Vial : 1 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: May 30 13:08:55 2015
Quant Method : C:\msdchem\1\METHODS\pcb methods\4-1260-051415.M
DataAcq Meth:PCB02.M
Quant Title : 1260/1016 04/20/15 02/25/15 ICAL 1500134
QLast Update : Thu May 14 19:56:59 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



4-1260-051415.M Sat May 30 13:21:05

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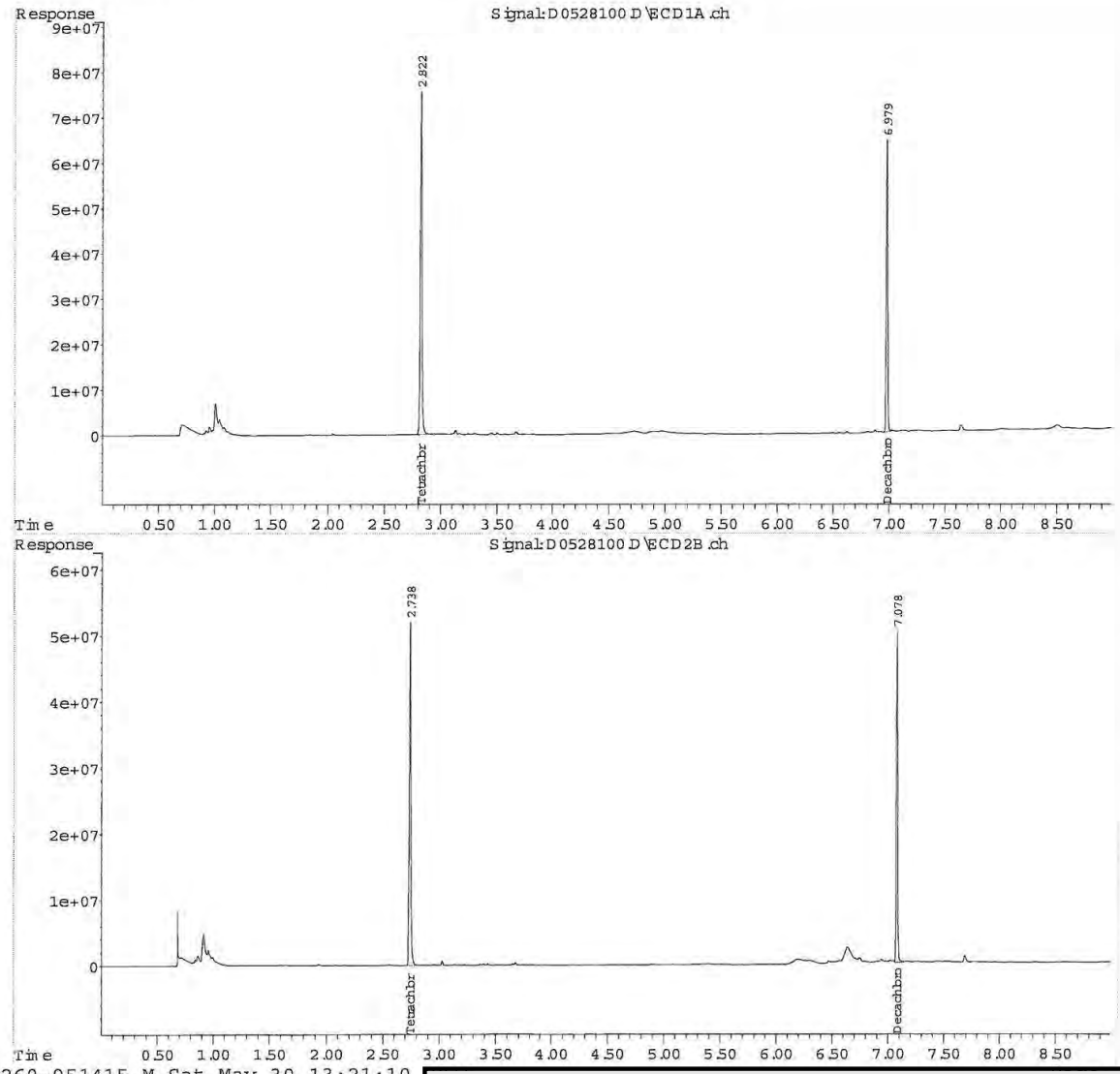
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\052815\
Data File : D0528100.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 May 2015 6:53 pm
Operator : JMB
Sample : 15E0514-15@5X Inst : ECD 4
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: May 30 13:10:27 2015
Quant Method : C:\msdchem\1\METHODS\pcb methods\4-1260-051415.M
DataAcq Meth:PCB02.M
Quant Title : 1260/1016 04/20/15 02/25/15 ICAL 1500134
QLast Update : Wed Apr 22 12:05:59 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



Jim Georgantas

Subject: FW: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Highlighted samples are to be analyzed:

B-143-1 -2 -3 -4
B-148-1 -2 -3 -4
B-149-1, -2 -3 -4
B-150-1, -2 -3 -4
B-151-1 -2 -3 -4
B-152-1 -2 -3 -4
B-153-1 -2 -3 -4
B-154-1 -2 -3 -4
B-157-1 -2 -3 -4
B-160-1 -2 -3 -4
B-161-1 -2 -3 -4
B-162-1 -2 -3 -4
B-163-1 -2 -3 -4
B-164-1 -2 -3 -4
B-165-1 -2 -3 -4
B-166-1 -2 -3 -4
B-167-1 -2 -3 -4
B-168-1 -2 -3 -4
B-169-1 -2 -3 -4
B-170-1 -2 -3 -4
B-171-1 -2 -3 -4
B-172-1 -2 -3 -4
B-173-1 -2 -3 -4
B-178-1 -2 -3 -4
B-180-1 -2 -3 -4
B-181-1 -2 -3 -4
B-182-1 -2 -3 -4

Thank you very much

Ken

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

May 21, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0583

Enclosed are results of analyses for samples received by the laboratory on May 13, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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Sample Summary 3
Case Narrative 4
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B122040 7
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Certifications 11
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con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 5/21/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0583

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
EB-302	15E0583-01	Equipment Blank Water		SW-846 8082A	

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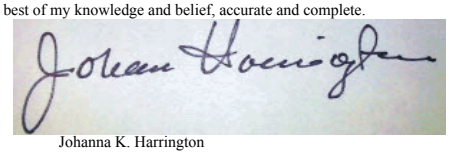
con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

CASE NARRATIVE SUMMARY

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

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



Johanna K. Harrington
Manager, Laboratory Reporting

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0583

Date Received: 5/13/2015

Field Sample #: EB-302 Sampled: 5/13/2015 15:00

Sample ID: 15E0583-01

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:30	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:30	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:30	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:30	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:30	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:30	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:30	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:30	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/20/15 23:30	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	51.1	30-150				5/20/15 23:30	
Decachlorobiphenyl [2]	51.4	30-150				5/20/15 23:30	
Tetrachloro-m-xylene [1]	91.1	30-150				5/20/15 23:30	
Tetrachloro-m-xylene [2]	93.0	30-150				5/20/15 23:30	

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Sample Extraction Data

Prep Method: SW-846 3510C-SW-846 8082A

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0583-01 [EB-302]	B122040	1000	10.0	05/19/15

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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 B122040 - SW-846 3510C										
Blank (B122040-BLK1)				Prepared: 05/19/15 Analyzed: 05/20/15						
Aroclor-1016	ND	0.20	µg/L							
Aroclor-1016 [2C]	ND	0.20	µg/L							
Aroclor-1221	ND	0.20	µg/L							
Aroclor-1221 [2C]	ND	0.20	µg/L							
Aroclor-1232	ND	0.20	µg/L							
Aroclor-1232 [2C]	ND	0.20	µg/L							
Aroclor-1242	ND	0.20	µg/L							
Aroclor-1242 [2C]	ND	0.20	µg/L							
Aroclor-1248	ND	0.20	µg/L							
Aroclor-1248 [2C]	ND	0.20	µg/L							
Aroclor-1254	ND	0.20	µg/L							
Aroclor-1254 [2C]	ND	0.20	µg/L							
Aroclor-1260	ND	0.20	µg/L							
Aroclor-1260 [2C]	ND	0.20	µg/L							
Aroclor-1262	ND	0.20	µg/L							
Aroclor-1262 [2C]	ND	0.20	µg/L							
Aroclor-1268	ND	0.20	µg/L							
Aroclor-1268 [2C]	ND	0.20	µg/L							
Surrogate: Decachlorobiphenyl	*2.05*		µg/L	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.08*		µg/L	2.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	*2.02*		µg/L	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.07*		µg/L	2.00		104	30-150			
LCS (B122040-BS1)				Prepared: 05/19/15 Analyzed: 05/20/15						
Aroclor-1016	0.55	0.20	µg/L	0.500		109	40-140			
Aroclor-1016 [2C]	0.52	0.20	µg/L	0.500		103	40-140			
Aroclor-1260	0.51	0.20	µg/L	0.500		102	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Surrogate: Decachlorobiphenyl	*1.90*		µg/L	2.00		95.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.96*		µg/L	2.00		98.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.95*		µg/L	2.00		97.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.01*		µg/L	2.00		101	30-150			
LCS Dup (B122040-BSD1)				Prepared: 05/19/15 Analyzed: 05/20/15						
Aroclor-1016	0.53	0.20	µg/L	0.500		106	40-140	3.15	20	
Aroclor-1016 [2C]	0.54	0.20	µg/L	0.500		108	40-140	4.92	20	
Aroclor-1260	0.55	0.20	µg/L	0.500		110	40-140	7.20	20	
Aroclor-1260 [2C]	0.55	0.20	µg/L	0.500		111	40-140	7.97	20	
Surrogate: Decachlorobiphenyl	*2.08*		µg/L	2.00		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.14*		µg/L	2.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	*2.02*		µg/L	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*2.08*		µg/L	2.00		104	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122040-BS1 Date(s) Analyzed: 05/20/2015 05/20/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.55	
	2	0.00	0.00	0.00	0.52	5
Aroclor-1260	1	0.00	0.00	0.00	0.51	
	2	0.00	0.00	0.00	0.51	0

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122040-BSD1 Date(s) Analyzed: 05/20/2015 05/20/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	0.00	0.00	0.53	
	2	0.00	0.00	0.00	0.54	2
Aroclor-1260	1	0.00	0.00	0.00	0.55	
	2	0.00	0.00	0.00	0.55	0

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

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

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1016	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,NJ
Aroclor-1262	NC
Aroclor-1262 [2C]	NC
Aroclor-1268	NC
Aroclor-1268 [2C]	NC

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

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

CHAIN OF CUSTODY RECORD

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

Page 1 of 1

15E0583

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Project # 860 513-1483
Rocky Hill, CT 06067
Client PO# 02274021 Release 00005
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

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

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	# of Containers	** Preservation	***Container Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples
01	EB-302	5/13/15	1500		X	O	U	1	I	A	✓	✓	

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments:
Note soxhlet extraction rqmts. for samples and TAT.

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)	5/13/15	Date/Time:
Received by: (signature)	5/13/15	Date/Time: 3:30
Relinquished by: (signature)	5/13/15	Date/Time: 4:18
Received by: (signature)	4.3°C 5/13/15	Date/Time: 1015

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 55
Page 2833 of 4786

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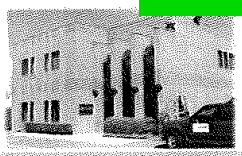
39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F: 413-525-6405
www.contestlabs.com

con-test® ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Northeast Utilities **RECEIVED BY:** RLF **DATE:** 5/13/15

1) **Was the chain(s) of custody relinquished and signed?** (Yes) No **No CoC Included**
2) **Does the chain agree with the samples?** (Yes) No
If not, explain:
3) **Are all the samples in good condition?** (Yes) No
If not, explain:
4) **How were the samples received:**
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑
Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A
Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.3°C
5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____
7) **Location where samples are stored:** 19

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

8) **Do all samples have the proper Acid pH:** Yes No (N/A) _____
9) **Do all samples have the proper Base pH:** Yes No (N/A) _____
10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

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

Laboratory Comments:

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

Time and Date Frozen:

Page 2 of 2

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

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

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** RLF **Date/Time:** 5/13/15 1615

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0583

Laboratory Sample ID(s):

15E0583-01

Sample Date(s):

05/13/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** **Manager, Laboratory Reporting**

Printed Name: **Johanna K. Harrington** **Date:** **05/21/15**

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

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

May 20, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0584

Enclosed are results of analyses for samples received by the laboratory on May 13, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 5/20/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0584

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B141-1	15E0584-01	Soil		SM 2540G	
				SW-846 8082A	
B141-2	15E0584-02	Soil		SM 2540G	
				SW-846 8082A	
B142-1	15E0584-03	Soil		SM 2540G	
				SW-846 8082A	
B142-2	15E0584-04	Soil		SM 2540G	
				SW-846 8082A	
B158-1	15E0584-05	Soil		SM 2540G	
				SW-846 8082A	
B158-2	15E0584-06	Soil		SM 2540G	
				SW-846 8082A	
B155-1	15E0584-07	Soil		SM 2540G	
				SW-846 8082A	
B155-2	15E0584-08	Soil		SM 2540G	
				SW-846 8082A	
B156-1	15E0584-09	Soil		SM 2540G	
				SW-846 8082A	
B156-2	15E0584-10	Soil		SM 2540G	
				SW-846 8082A	
B159-1	15E0584-11	Soil		SM 2540G	
				SW-846 8082A	
B159-2	15E0584-12	Soil		SM 2540G	
				SW-846 8082A	
DUP-208	15E0584-13	Soil		SM 2540G	
				SW-846 8082A	
DUP-209	15E0584-14	Soil		SM 2540G	
				SW-846 8082A	

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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.

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

SW-846 8082A

Qualifications:

MS-19

Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.

Analyte & Samples(s) Qualified:

Aroclor-1016
B121709-MS1, B121709-MSD1

Aroclor-1016 [2C]
B121709-MS1, B121709-MSD1

Aroclor-1260
B121709-MS1, B121709-MSD1

Aroclor-1260 [2C]
B121709-MS1, B121709-MSD1

P-04

Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.

Analyte & Samples(s) Qualified:

Aroclor-1260
15E0584-05[B158-1], 15E0584-06[B158-2], 15E0584-07[B155-1], 15E0584-08[B155-2], 15E0584-14[DUP-209]

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.

Analyte & Samples(s) Qualified:

Decachlorobiphenyl
15E0584-01[B141-1], 15E0584-03[B142-1], 15E0584-09[B156-1], 15E0584-10[B156-2], 15E0584-13[DUP-208]

Decachlorobiphenyl [2C]
15E0584-01[B141-1], 15E0584-03[B142-1], 15E0584-09[B156-1], 15E0584-10[B156-2], 15E0584-13[DUP-208]

Tetrachloro-m-xylene
15E0584-01[B141-1], 15E0584-03[B142-1], 15E0584-09[B156-1], 15E0584-10[B156-2], 15E0584-13[DUP-208]

Tetrachloro-m-xylene [2C]
15E0584-01[B141-1], 15E0584-03[B142-1], 15E0584-09[B156-1], 15E0584-10[B156-2], 15E0584-13[DUP-208]

V-05

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

Analyte & Samples(s) Qualified:

Aroclor-1221 [2C]
B121709-BLK1

V-06

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

Analyte & Samples(s) Qualified:

Aroclor-1260 [2C]
B121709-BS1, B121709-BSD1, B121709-MS1, B121709-MSD1

V-20

Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

Aroclor-1260 [2C]
B121709-BLK1

V-24

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

Analyte & Samples(s) Qualified:

Aroclor-1260 [2C]
15E0584-05[B158-1], 15E0584-06[B158-2], 15E0584-07[B155-1], 15E0584-08[B155-2], 15E0584-14[DUP-209]

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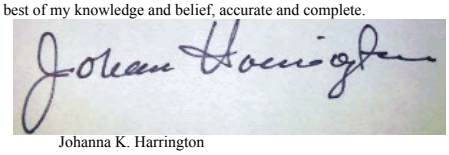
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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



Johanna K. Harrington
Manager, Laboratory Reporting

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B141-1 Sampled: 5/13/2015 09:30

Sample ID: 15E0584-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	5/14/15	5/18/15 16:00	JMB
Aroclor-1221 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	5/14/15	5/18/15 16:00	JMB
Aroclor-1232 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	5/14/15	5/18/15 16:00	JMB
Aroclor-1242 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	5/14/15	5/18/15 16:00	JMB
Aroclor-1248 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	5/14/15	5/18/15 16:00	JMB
Aroclor-1254 [2]	9.6	2.4	mg/Kg dry	100		SW-846 8082A	5/14/15	5/18/15 16:00	JMB
Aroclor-1260 [2]	18	2.4	mg/Kg dry	100		SW-846 8082A	5/14/15	5/18/15 16:00	JMB
Aroclor-1262 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	5/14/15	5/18/15 16:00	JMB
Aroclor-1268 [1]	ND	2.4	mg/Kg dry	100		SW-846 8082A	5/14/15	5/18/15 16:00	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/18/15 16:00
Decachlorobiphenyl [2]	*	30-150	S-01	5/18/15 16:00
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/18/15 16:00
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/18/15 16:00

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B141-1 Sampled: 5/13/2015 09:30

Sample ID: 15E0584-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.0		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B141-2 Sampled: 5/13/2015 09:32

Sample ID: 15E0584-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:13	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:13	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:13	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:13	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:13	JMB
Aroclor-1254 [2]	0.34	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:13	JMB
Aroclor-1260 [2]	0.67	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:13	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:13	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:13	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		5/18/15 16:13
Decachlorobiphenyl [2]	113	30-150		5/18/15 16:13
Tetrachloro-m-xylene [1]	88.0	30-150		5/18/15 16:13
Tetrachloro-m-xylene [2]	88.0	30-150		5/18/15 16:13

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B141-2 Sampled: 5/13/2015 09:32

Sample ID: 15E0584-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.2		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B142-1 Sampled: 5/13/2015 09:40

Sample ID: 15E0584-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:26	JMB
Aroclor-1221 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:26	JMB
Aroclor-1232 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:26	JMB
Aroclor-1242 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:26	JMB
Aroclor-1248 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:26	JMB
Aroclor-1254 [2]	10	4.4	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:26	JMB
Aroclor-1260 [2]	28	4.4	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:26	JMB
Aroclor-1262 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:26	JMB
Aroclor-1268 [1]	ND	4.4	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/18/15 16:26
Decachlorobiphenyl [2]	*	30-150	S-01	5/18/15 16:26
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/18/15 16:26
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/18/15 16:26

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B142-1 Sampled: 5/13/2015 09:40

Sample ID: 15E0584-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.6		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B142-2 Sampled: 5/13/2015 09:42

Sample ID: 15E0584-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:39	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:39	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:39	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:39	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:39	JMB
Aroclor-1254 [2]	0.14	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:39	JMB
Aroclor-1260 [2]	0.41	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:39	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:39	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 16:39	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	110	30-150		5/18/15 16:39
Decachlorobiphenyl [2]	115	30-150		5/18/15 16:39
Tetrachloro-m-xylene [1]	94.1	30-150		5/18/15 16:39
Tetrachloro-m-xylene [2]	93.8	30-150		5/18/15 16:39

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B142-2 Sampled: 5/13/2015 09:42

Sample ID: 15E0584-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.5		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B158-1 Sampled: 5/13/2015 12:00

Sample ID: 15E0584-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 1:51	KAL
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 1:51	KAL
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 1:51	KAL
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 1:51	KAL
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 1:51	KAL
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 1:51	KAL
Aroclor-1260 [1]	0.49	0.13	mg/Kg dry	5	P-04	SW-846 8082A	5/14/15	5/17/15 1:51	KAL
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 1:51	KAL
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 1:51	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		5/17/15 1:51
Decachlorobiphenyl [2]	131	30-150		5/17/15 1:51
Tetrachloro-m-xylene [1]	87.7	30-150		5/17/15 1:51
Tetrachloro-m-xylene [2]	82.1	30-150		5/17/15 1:51

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B158-1 Sampled: 5/13/2015 12:00

Sample ID: 15E0584-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.9		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B158-2 Sampled: 5/13/2015 12:02

Sample ID: 15E0584-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:04	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:04	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:04	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:04	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:04	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:04	KAL
Aroclor-1260 [1]	0.21	0.11	mg/Kg dry	5	P-04	SW-846 8082A	5/14/15	5/17/15 2:04	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:04	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:04	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	110	30-150				5/17/15	2:04
Decachlorobiphenyl [2]	116	30-150				5/17/15	2:04
Tetrachloro-m-xylene [1]	98.2	30-150				5/17/15	2:04
Tetrachloro-m-xylene [2]	91.6	30-150				5/17/15	2:04

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B158-2 Sampled: 5/13/2015 12:02

Sample ID: 15E0584-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.8		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B155-1 Sampled: 5/13/2015 12:10

Sample ID: 15E0584-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:17	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:17	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:17	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:17	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:17	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:17	KAL
Aroclor-1260 [1]	1.3	0.12	mg/Kg dry	5	P-04	SW-846 8082A	5/14/15	5/17/15 2:17	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:17	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:17	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		5/17/15 2:17
Decachlorobiphenyl [2]	133	30-150		5/17/15 2:17
Tetrachloro-m-xylene [1]	86.8	30-150		5/17/15 2:17
Tetrachloro-m-xylene [2]	82.1	30-150		5/17/15 2:17

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B155-1 Sampled: 5/13/2015 12:10

Sample ID: 15E0584-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.9		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B155-2 Sampled: 5/13/2015 12:12

Sample ID: 15E0584-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:30	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:30	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:30	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:30	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:30	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:30	KAL
Aroclor-1260 [1]	0.38	0.11	mg/Kg dry	5	P-04	SW-846 8082A	5/14/15	5/17/15 2:30	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:30	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 2:30	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	112	30-150			5/17/15 2:30
Decachlorobiphenyl [2]	115	30-150			5/17/15 2:30
Tetrachloro-m-xylene [1]	98.5	30-150			5/17/15 2:30
Tetrachloro-m-xylene [2]	92.4	30-150			5/17/15 2:30

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B155-2 Sampled: 5/13/2015 12:12

Sample ID: 15E0584-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B156-1 Sampled: 5/13/2015 12:40

Sample ID: 15E0584-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:52	JMB
Aroclor-1221 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:52	JMB
Aroclor-1232 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:52	JMB
Aroclor-1242 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:52	JMB
Aroclor-1248 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:52	JMB
Aroclor-1254 [2]	12	4.7	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:52	JMB
Aroclor-1260 [2]	31	4.7	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:52	JMB
Aroclor-1262 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:52	JMB
Aroclor-1268 [1]	ND	4.7	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 16:52	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/18/15 16:52
Decachlorobiphenyl [2]	*	30-150	S-01	5/18/15 16:52
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/18/15 16:52
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/18/15 16:52

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B156-1 Sampled: 5/13/2015 12:40

Sample ID: 15E0584-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.6		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B156-2 Sampled: 5/13/2015 12:42

Sample ID: 15E0584-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 17:05	JMB
Aroclor-1221 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 17:05	JMB
Aroclor-1232 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 17:05	JMB
Aroclor-1242 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 17:05	JMB
Aroclor-1248 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 17:05	JMB
Aroclor-1254 [2]	13	4.5	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 17:05	JMB
Aroclor-1260 [2]	29	4.5	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 17:05	JMB
Aroclor-1262 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 17:05	JMB
Aroclor-1268 [1]	ND	4.5	mg/Kg dry	200		SW-846 8082A	5/14/15	5/18/15 17:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/18/15 17:05
Decachlorobiphenyl [2]	*	30-150	S-01	5/18/15 17:05
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/18/15 17:05
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/18/15 17:05

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B156-2 Sampled: 5/13/2015 12:42

Sample ID: 15E0584-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B159-1 Sampled: 5/13/2015 12:50

Sample ID: 15E0584-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 17:18	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 17:18	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 17:18	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 17:18	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 17:18	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 17:18	JMB
Aroclor-1260 [2]	0.14	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 17:18	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 17:18	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/18/15 17:18	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	114	30-150		5/18/15 17:18
Decachlorobiphenyl [2]	120	30-150		5/18/15 17:18
Tetrachloro-m-xylene [1]	110	30-150		5/18/15 17:18
Tetrachloro-m-xylene [2]	109	30-150		5/18/15 17:18

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B159-1 Sampled: 5/13/2015 12:50

Sample ID: 15E0584-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.1		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B159-2 Sampled: 5/13/2015 12:52

Sample ID: 15E0584-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:01	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:01	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:01	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:01	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:01	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:01	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:01	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:01	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:01	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	113	30-150		5/17/15 4:01
Decachlorobiphenyl [2]	114	30-150		5/17/15 4:01
Tetrachloro-m-xylene [1]	99.5	30-150		5/17/15 4:01
Tetrachloro-m-xylene [2]	95.0	30-150		5/17/15 4:01

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: B159-2 Sampled: 5/13/2015 12:52

Sample ID: 15E0584-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	81.9		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: DUP-208 Sampled: 5/13/2015 00:00

Sample ID: 15E0584-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/14/15	5/18/15 17:31	JMB
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/14/15	5/18/15 17:31	JMB
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/14/15	5/18/15 17:31	JMB
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/14/15	5/18/15 17:31	JMB
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/14/15	5/18/15 17:31	JMB
Aroclor-1254 [2]	5.4	1.1	mg/Kg dry	50		SW-846 8082A	5/14/15	5/18/15 17:31	JMB
Aroclor-1260 [2]	10	1.1	mg/Kg dry	50		SW-846 8082A	5/14/15	5/18/15 17:31	JMB
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/14/15	5/18/15 17:31	JMB
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/14/15	5/18/15 17:31	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/18/15 17:31
Decachlorobiphenyl [2]	*	30-150	S-01	5/18/15 17:31
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/18/15 17:31
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/18/15 17:31

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: DUP-208 Sampled: 5/13/2015 00:00

Sample ID: 15E0584-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.4		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: DUP-209 Sampled: 5/13/2015 00:00

Sample ID: 15E0584-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:26	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:26	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:26	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:26	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:26	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:26	KAL
Aroclor-1260 [1]	0.24	0.12	mg/Kg dry	5	P-04	SW-846 8082A	5/14/15	5/17/15 4:26	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:26	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/14/15	5/17/15 4:26	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	117	30-150				5/17/15	4:26
Decachlorobiphenyl [2]	126	30-150				5/17/15	4:26
Tetrachloro-m-xylene [1]	102	30-150				5/17/15	4:26
Tetrachloro-m-xylene [2]	94.4	30-150				5/17/15	4:26

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0584

Date Received: 5/13/2015

Field Sample #: DUP-209 Sampled: 5/13/2015 00:00

Sample ID: 15E0584-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	84.9		% Wt	1		SM 2540G	5/15/15	5/18/15 7:35	MRL

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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
15E0584-01 [B141-1]	B121832	05/15/15
15E0584-02 [B141-2]	B121832	05/15/15
15E0584-03 [B142-1]	B121832	05/15/15
15E0584-04 [B142-2]	B121832	05/15/15
15E0584-05 [B158-1]	B121832	05/15/15
15E0584-06 [B158-2]	B121832	05/15/15
15E0584-07 [B155-1]	B121832	05/15/15
15E0584-08 [B155-2]	B121832	05/15/15
15E0584-09 [B156-1]	B121832	05/15/15
15E0584-10 [B156-2]	B121832	05/15/15
15E0584-11 [B159-1]	B121832	05/15/15
15E0584-12 [B159-2]	B121832	05/15/15
15E0584-13 [DUP-208]	B121832	05/15/15
15E0584-14 [DUP-209]	B121832	05/15/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0584-01 [B141-1]	B121709	10.1	10.0	05/14/15
15E0584-02 [B141-2]	B121709	10.2	10.0	05/14/15
15E0584-03 [B142-1]	B121709	10.1	10.0	05/14/15
15E0584-04 [B142-2]	B121709	10.0	10.0	05/14/15
15E0584-05 [B158-1]	B121709	10.2	10.0	05/14/15
15E0584-06 [B158-2]	B121709	10.4	10.0	05/14/15
15E0584-07 [B155-1]	B121709	10.4	10.0	05/14/15
15E0584-08 [B155-2]	B121709	10.3	10.0	05/14/15
15E0584-09 [B156-1]	B121709	10.3	10.0	05/14/15
15E0584-10 [B156-2]	B121709	10.3	10.0	05/14/15
15E0584-11 [B159-1]	B121709	10.3	10.0	05/14/15
15E0584-12 [B159-2]	B121709	10.1	10.0	05/14/15
15E0584-13 [DUP-208]	B121709	10.2	10.0	05/14/15
15E0584-14 [DUP-209]	B121709	10.1	10.0	05/14/15

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B121709 - SW-846 3540C										
Blank (B121709-BLK1)				Prepared: 05/14/15 Analyzed: 05/16/15						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							V-05
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							V-20
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.230*		mg/Kg wet	0.199		116	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.215*		mg/Kg wet	0.199		108	30-150			
Surrogate: Tetrachloro-m-xylene	*0.193*		mg/Kg wet	0.199		97.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.170*		mg/Kg wet	0.199		85.6	30-150			
LCS (B121709-BS1)				Prepared: 05/14/15 Analyzed: 05/17/15						
Aroclor-1016	0.17	0.10	mg/Kg wet	0.200		84.0	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg wet	0.200		90.3	40-140			
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		96.9	40-140			
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200		110	40-140			V-06
Surrogate: Decachlorobiphenyl	*0.205*		mg/Kg wet	0.200		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.203*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.175*		mg/Kg wet	0.200		87.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.167*		mg/Kg wet	0.200		83.3	30-150			
LCS Dup (B121709-BSD1)				Prepared: 05/14/15 Analyzed: 05/17/15						
Aroclor-1016	0.20	0.099	mg/Kg wet	0.199		103	40-140	19.5	30	
Aroclor-1016 [2C]	0.21	0.099	mg/Kg wet	0.199		108	40-140	17.0	30	
Aroclor-1260	0.23	0.099	mg/Kg wet	0.199		117	40-140	18.2	30	
Aroclor-1260 [2C]	0.27	0.099	mg/Kg wet	0.199		134	40-140	19.1	30	V-06
Surrogate: Decachlorobiphenyl	*0.241*		mg/Kg wet	0.199		121	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.237*		mg/Kg wet	0.199		119	30-150			
Surrogate: Tetrachloro-m-xylene	*0.196*		mg/Kg wet	0.199		98.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.186*		mg/Kg wet	0.199		93.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B121709 - SW-846 3540C											
Matrix Spike (B121709-MS1)		**Source: 15E0584-01**		Prepared: 05/14/15 Analyzed: 05/17/15							
Aroclor-1016	0.85	0.12	mg/Kg dry	0.236	ND	**361**	*	40-140			MS-19
Aroclor-1016 [2C]	1.0	0.12	mg/Kg dry	0.236	ND	**427**	*	40-140			MS-19
Aroclor-1260	12	0.12	mg/Kg dry	0.236	15	**-1270**	*	40-140			MS-19
Aroclor-1260 [2C]	12	0.12	mg/Kg dry	0.236	18	**-2740**	*	40-140			MS-19, V-06
Surrogate: Decachlorobiphenyl	*0.278*		mg/Kg dry	0.236		118		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.275*		mg/Kg dry	0.236		116		30-150			
Surrogate: Tetrachloro-m-xylene	*0.233*		mg/Kg dry	0.236		98.7		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.221*		mg/Kg dry	0.236		93.4		30-150			
Matrix Spike Dup (B121709-MSD1)		**Source: 15E0584-01**		Prepared: 05/14/15 Analyzed: 05/17/15							
Aroclor-1016	0.92	0.12	mg/Kg dry	0.237	ND	**388**	*	40-140		50	MS-19
Aroclor-1016 [2C]	1.1	0.12	mg/Kg dry	0.237	ND	**457**	*	40-140	7.09	50	MS-19
Aroclor-1260	13	0.12	mg/Kg dry	0.237	15	**-836**	*	40-140	8.22	50	MS-19
Aroclor-1260 [2C]	13	0.12	mg/Kg dry	0.237	18	**-2300**	*	40-140	8.40	50	MS-19, V-06
Surrogate: Decachlorobiphenyl	*0.297*		mg/Kg dry	0.237		125		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.295*		mg/Kg dry	0.237		125		30-150			
Surrogate: Tetrachloro-m-xylene	*0.247*		mg/Kg dry	0.237		104		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.232*		mg/Kg dry	0.237		97.9		30-150			

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B141-1

Lab Sample ID: 15E0584-01 Date(s) Analyzed: 05/18/2015 05/18/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	7.8	
	2	0.00	-0.03	0.03	9.6	20.2
Aroclor-1260	1	0.00	-0.03	0.03	15	
	2	0.00	-0.03	0.03	18	18.2

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con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B141-2

Lab Sample ID: 15E0584-02 Date(s) Analyzed: 05/18/2015 05/18/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.24	
	2	0.00	-0.03	0.03	0.34	34.9
Aroclor-1260	1	0.00	-0.03	0.03	0.53	
	2	0.00	-0.03	0.03	0.67	23.5

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B142-1

Lab Sample ID: 15E0584-03 Date(s) Analyzed: 05/18/2015 05/18/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	8.8	
	2	0.00	-0.03	0.03	10	13.3
Aroclor-1260	1	0.00	-0.03	0.03	23	
	2	0.00	-0.03	0.03	28	19.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B142-2

Lab Sample ID: 15E0584-04 Date(s) Analyzed: 05/18/2015 05/18/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.37	
	2	0.00	-0.03	0.03	0.41	10.5

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con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B158-1

Lab Sample ID: 15E0584-05 Date(s) Analyzed: 05/17/2015 05/17/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.49	
	2	0.00	-0.03	0.03	0.53	8.3

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B158-2

Lab Sample ID: 15E0584-06 Date(s) Analyzed: 05/17/2015 05/17/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.21	
	2	0.00	-0.03	0.03	0.21	1.9

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B155-1

Lab Sample ID: 15E0584-07 Date(s) Analyzed: 05/17/2015 05/17/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	1.3	
	2	0.00	-0.03	0.03	1.4	5.1

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B155-2

Lab Sample ID: 15E0584-08 Date(s) Analyzed: 05/17/2015 05/17/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.38	
	2	0.00	-0.03	0.03	0.42	10.8

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B156-1

Lab Sample ID: 15E0584-09 Date(s) Analyzed: 05/18/2015 05/18/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	9.9	
	2	0.00	-0.03	0.03	12	19.4
Aroclor-1260	1	0.00	-0.03	0.03	27	
	2	0.00	-0.03	0.03	31	12.3

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B156-2

Lab Sample ID: 15E0584-10 Date(s) Analyzed: 05/18/2015 05/18/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	11	
	2	0.00	-0.03	0.03	13	15.8
Aroclor-1260	1	0.00	-0.03	0.03	26	
	2	0.00	-0.03	0.03	29	12.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B159-1

Lab Sample ID: 15E0584-11 Date(s) Analyzed: 05/18/2015 05/18/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.14	
	2	0.00	-0.03	0.03	0.14	1.4

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

DUP-208

Lab Sample ID: 15E0584-13 Date(s) Analyzed: 05/18/2015 05/18/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	4.7	
	2	0.00	-0.03	0.03	5.4	13.2
Aroclor-1260	1	0.00	-0.03	0.03	9.5	
	2	0.00	-0.03	0.03	10	5.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

DUP-209

Lab Sample ID: 15E0584-14 Date(s) Analyzed: 05/17/2015 05/17/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.24	
	2	0.00	-0.03	0.03	0.27	10.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B121709-BS1 Date(s) Analyzed: 05/17/2015 05/17/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.18	7
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.22	13

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B121709-BSD1 Date(s) Analyzed: 05/17/2015 05/17/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.20	
	2	0.00	-0.03	0.03	0.21	3
Aroclor-1260	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.27	15

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B121709-MS1 Date(s) Analyzed: 05/17/2015 05/17/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.85	
	2	0.00	-0.03	0.03	1.0	16
Aroclor-1260	1	0.00	-0.03	0.03	12	
	2	0.00	-0.03	0.03	12	0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B121709-MSD1 Date(s) Analyzed: 05/17/2015 05/17/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.92	
	2	0.00	-0.03	0.03	1.1	18
Aroclor-1260	1	0.00	-0.03	0.03	13	
	2	0.00	-0.03	0.03	13	0

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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.
	No results have been blank subtracted unless specified in the case narrative section.
MS-19	Sample to spike ratio is greater than or equal to 4:1. Spiked amount is not representative of the native amount in the sample. Appropriate or meaningful recoveries cannot be calculated.
P-04	Due to continuing calibration non-conformance on the confirmatory detector, the lower of two results was reported.
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.
V-05	Continuing calibration did not meet method specifications and was biased on the low side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the low side.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound. Increased uncertainty is associated with the reported value which is likely to be biased on the high side.
V-20	Continuing calibration did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.
V-24	Continuing calibration verification was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.

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

CERTIFICATIONS

Certified Analyses included in this Report

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

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

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

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

15E0584

Company Name: Weston and Sampson (for NUSCO)
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

Telephone: 860 513-1473
Project # 860 513-1483
Client PO# 02274021 Release 00005

DATA DELIVERY (check all that apply)
O FAX O EMAIL O WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL O GIS
O OTHER
O "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
01	B141-1	5-13-15	0930		X	S	U	✓	✓		1	I	A
02	B141-2		0932					✓	✓				
03	B142-1		0940					✓	✓				
04	B142-2		0942					✓	✓				
05	B158-1		1200					✓	✓				
06	B158-2		1207					✓	✓				
07	B155-1		1210					✓	✓				
08	B155-2		1212					✓	✓				
09	B156-1		1240					✓	✓				
10	B156-2	↓	1242		↓	↓	↓	✓	✓				

ANALYSIS REQUESTED

Dissolved Metals
O Field Filtered
O Lab to Filter

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

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

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

nments:
lote soxhlet extraction rqmts. for samples and TAT.

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)	5/13/15	Date/Time:
ceived by: (signature)	5/13/15	Date/Time: 3:30
inquished by: (signature)	5/13/15	Date/Time: 715
ceived by: (signature)	4.3°C 5/13/15	Date/Time: 1615

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 ?
O MCP Form Required
◉ RCP Form Required
O MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0584

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Project # 860 513-1483
Rocky Hill, CT 06067
Client PO# 02274021 Release 00005
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

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

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
11	B159-1	5-13-15	1250		X	WW	U	✓	✓				
12	B159-2	↓	1252		↓	↓	↓	✓	✓				
13	Dup-208	↓	—		↓	↓	↓	✓	✓				
14	Dup-209	↓	—		↓	↓	↓	✓	✓				

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

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

Comments:
Note soxhlet extraction rqmts. for samples and TAT.

Relinquished by: (signature)	Date/Time:
	5/13/15
Received by: (signature)	Date/Time:
	5/13/15 1330
Relinquished by: (signature)	Date/Time:
	5/13/15 1415
Received by: (signature)	Date/Time:
Rebecca Jones	5/13/15 1603

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 55
Page 2894 of 4786

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



Sample Receipt Checklist

CLIENT NAME: Northeast Utilities **RECEIVED BY:** RLF **DATE:** 5/13/15

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

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

If not, explain:

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

If not, explain:

4) **How were the samples received:**

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

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

Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.3°C

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

Who was notified _____ Date _____ Time _____

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

Who was notified _____ Date _____ Time _____

7) **Location where samples are stored:** 19

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

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

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

10) **Was the PC notified of any discrepancies with the CoC vs the samples:** Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	14
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

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

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** **Date/Time:**

RLF 5/13/15 1615

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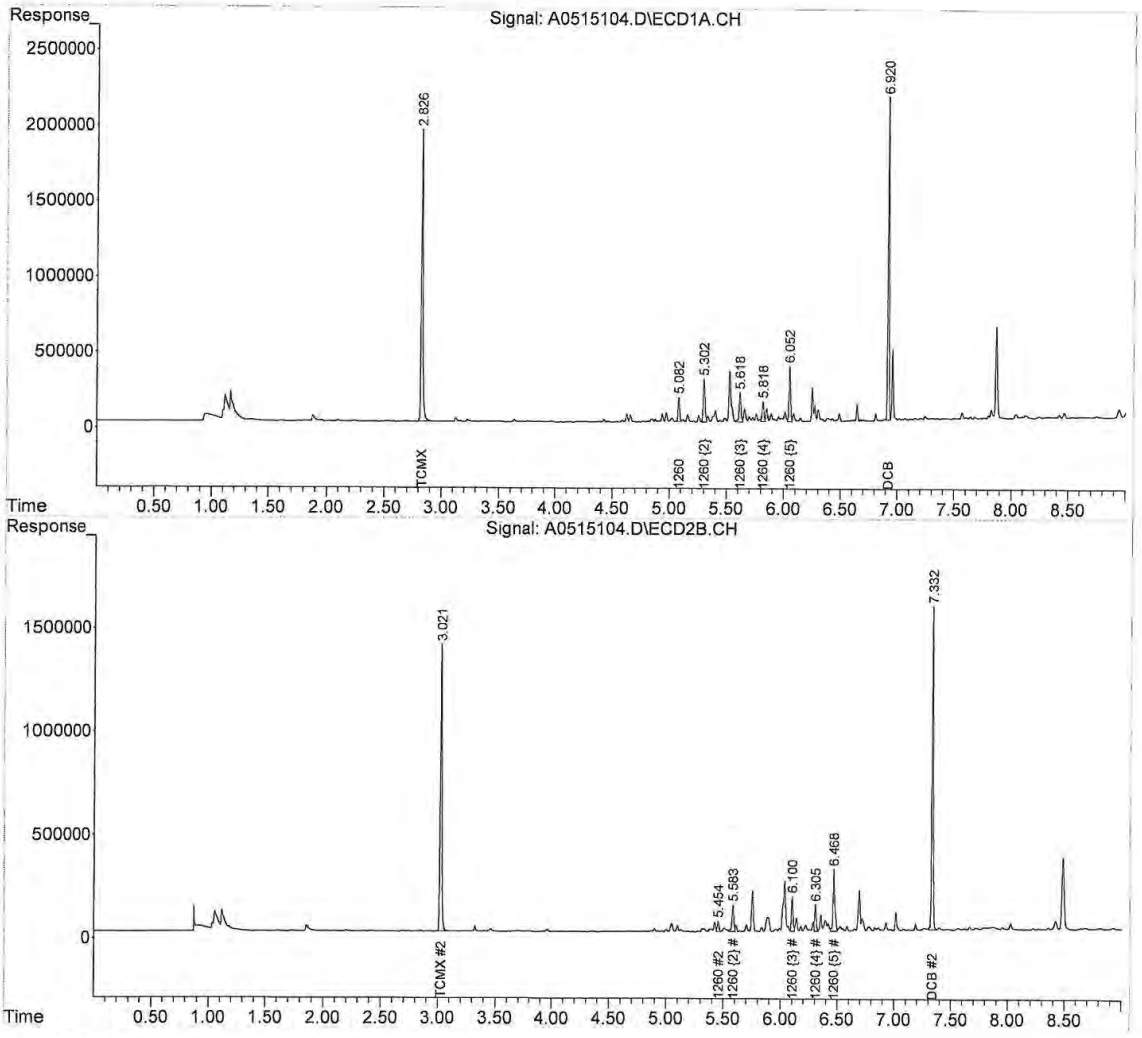
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051515\
Data File : A0515104.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 May 2015 1:51 am
Operator : JMB
Sample : 15E0584-05@5X Inst : HP G1530A
Misc :
ALS Vial : 6 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 18 08:46:40 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-050915.M
Quant Title : 1260/1016 03/19/15 02/25/15 ICAL 1500098
QLast Update : Sat May 09 12:35:26 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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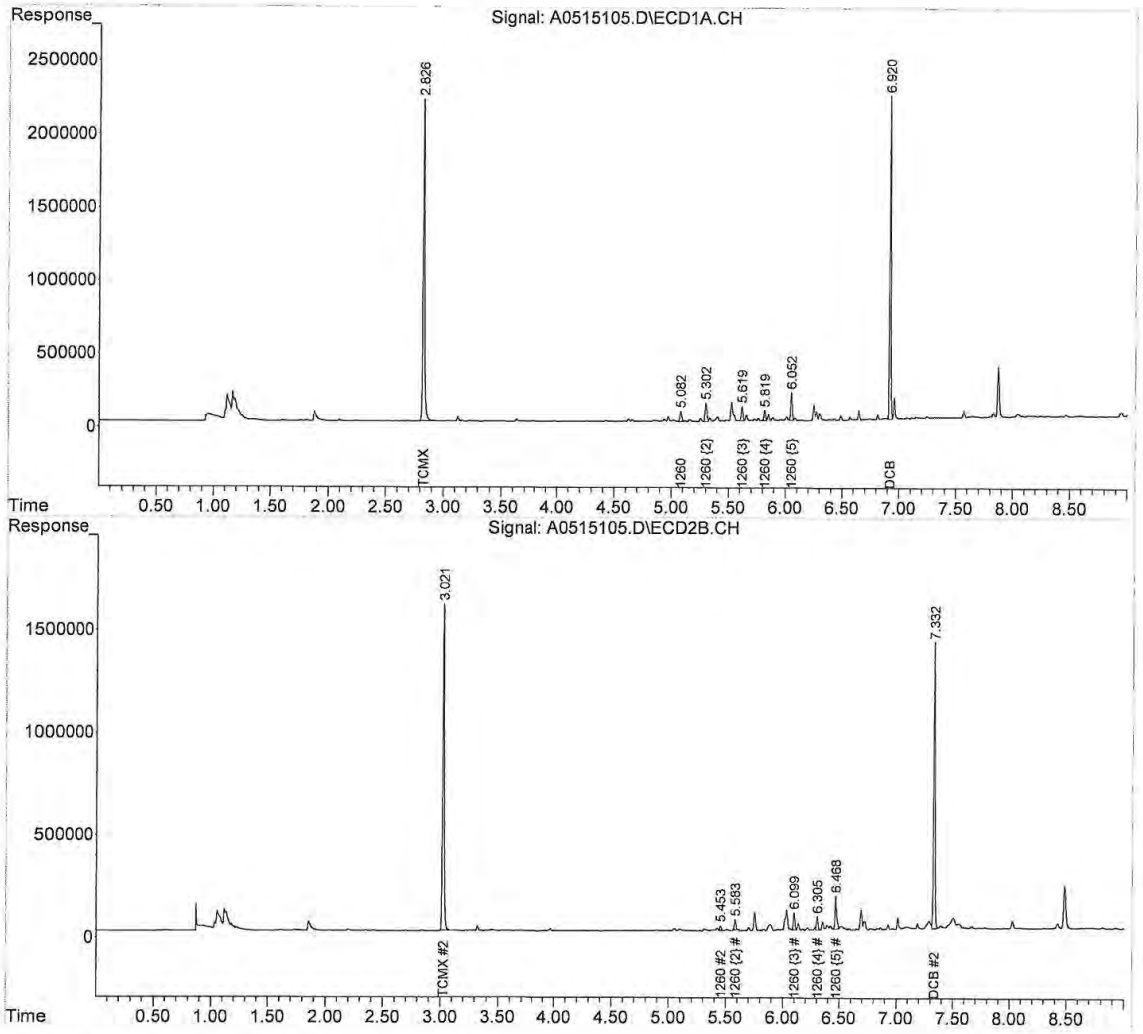
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051515\
Data File : A0515105.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 May 2015 2:04 am
Operator : JMB
Sample : 15E0584-06@5X Inst : HP G1530A
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 18 08:46:42 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-050915.M
Quant Title : 1260/1016 03/19/15 02/25/15 ICAL 1500098
QLast Update : Sat May 09 12:35:26 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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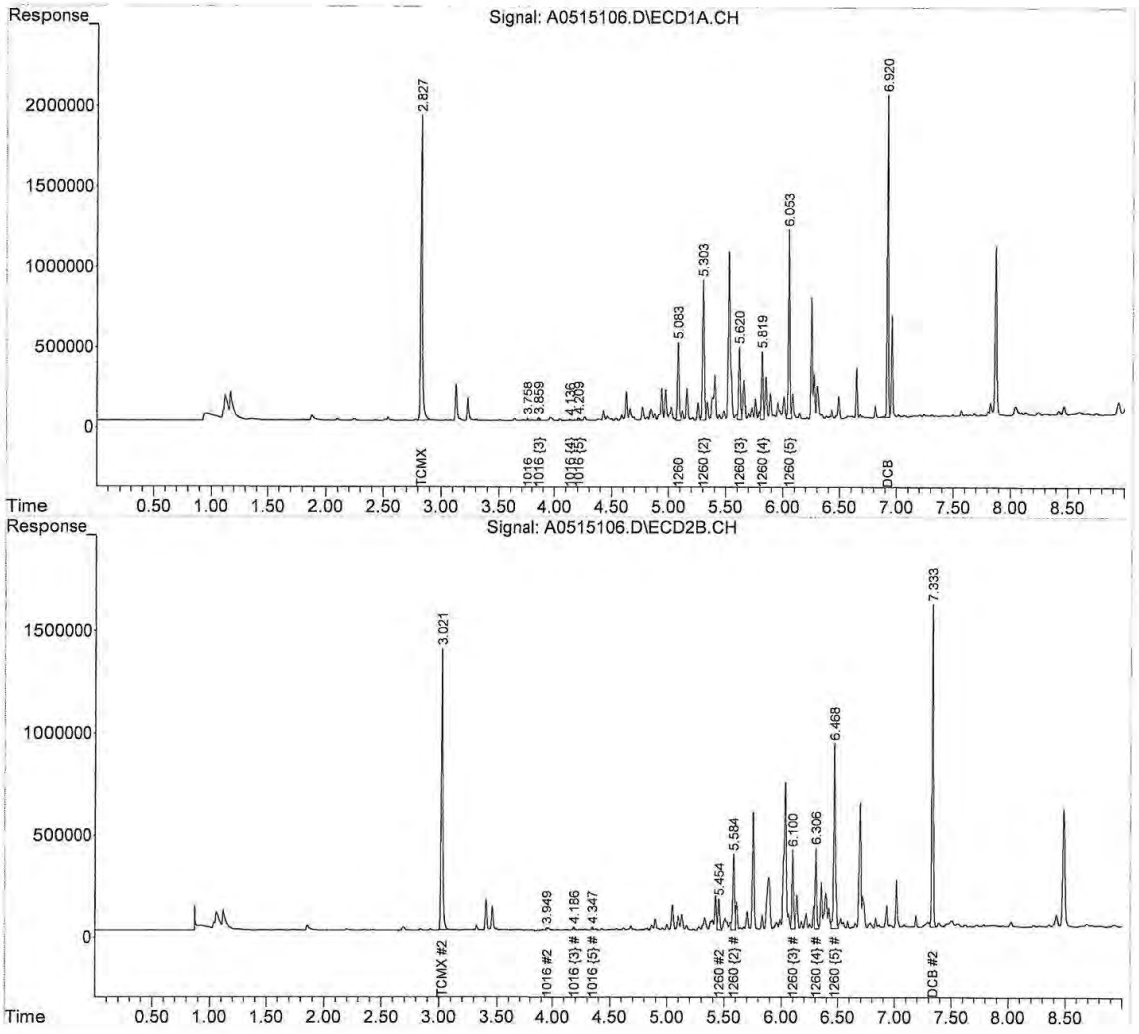
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051515\
Data File : A0515106.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 May 2015 2:17 am
Operator : JMB
Sample : 15E0584-07@5X Inst : HP G1530A
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 18 08:46:44 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-050915.M
Quant Title : 1260/1016 03/19/15 02/25/15 ICAL 1500098
QLast Update : Sat May 09 12:35:26 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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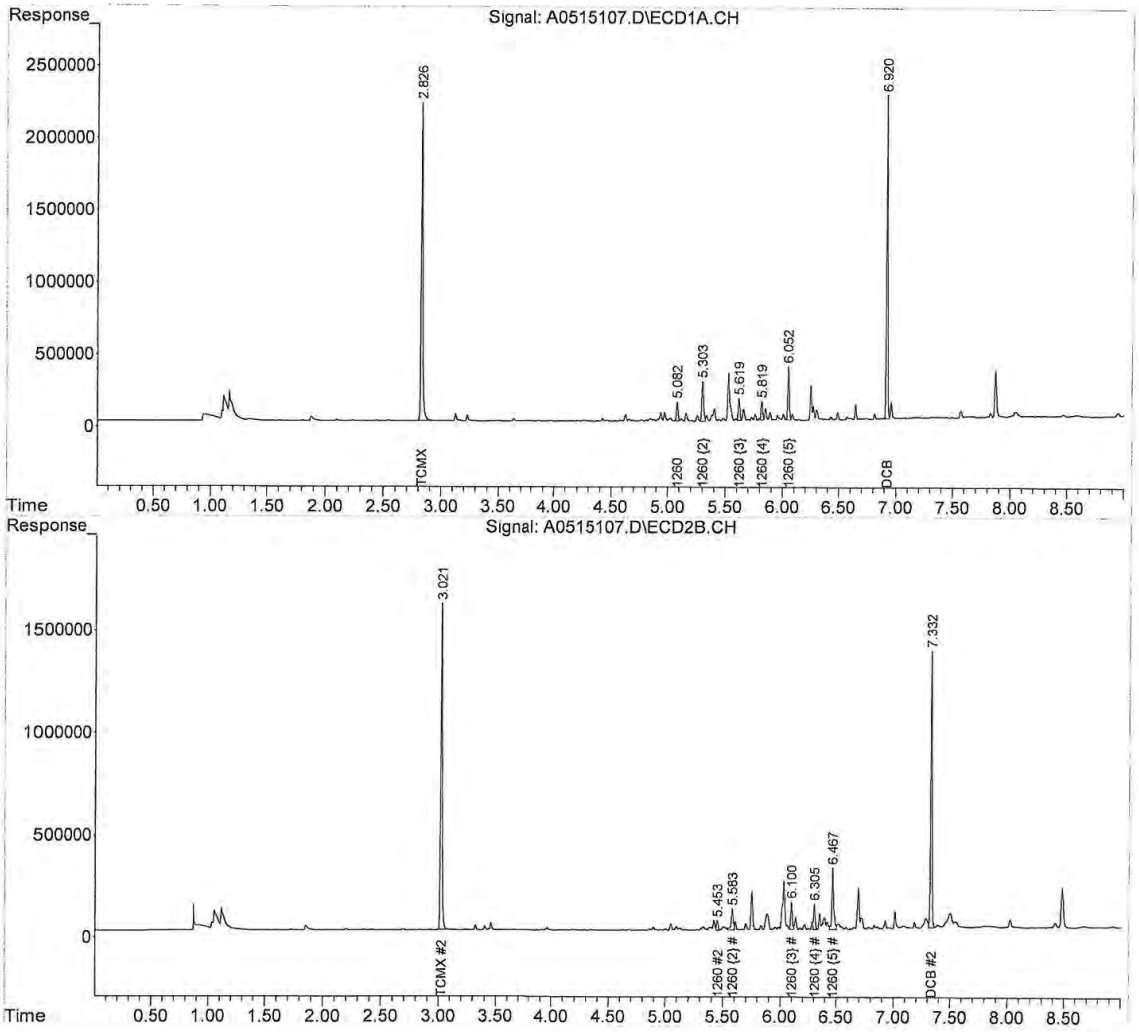
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051515\
Data File : A0515107.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 May 2015 2:30 am
Operator : JMB
Sample : 15E0584-08@5X Inst : HP G1530A
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 18 08:46:46 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-050915.M
Quant Title : 1260/1016 03/19/15 02/25/15 ICAL 1500098
QLast Update : Sat May 09 12:35:26 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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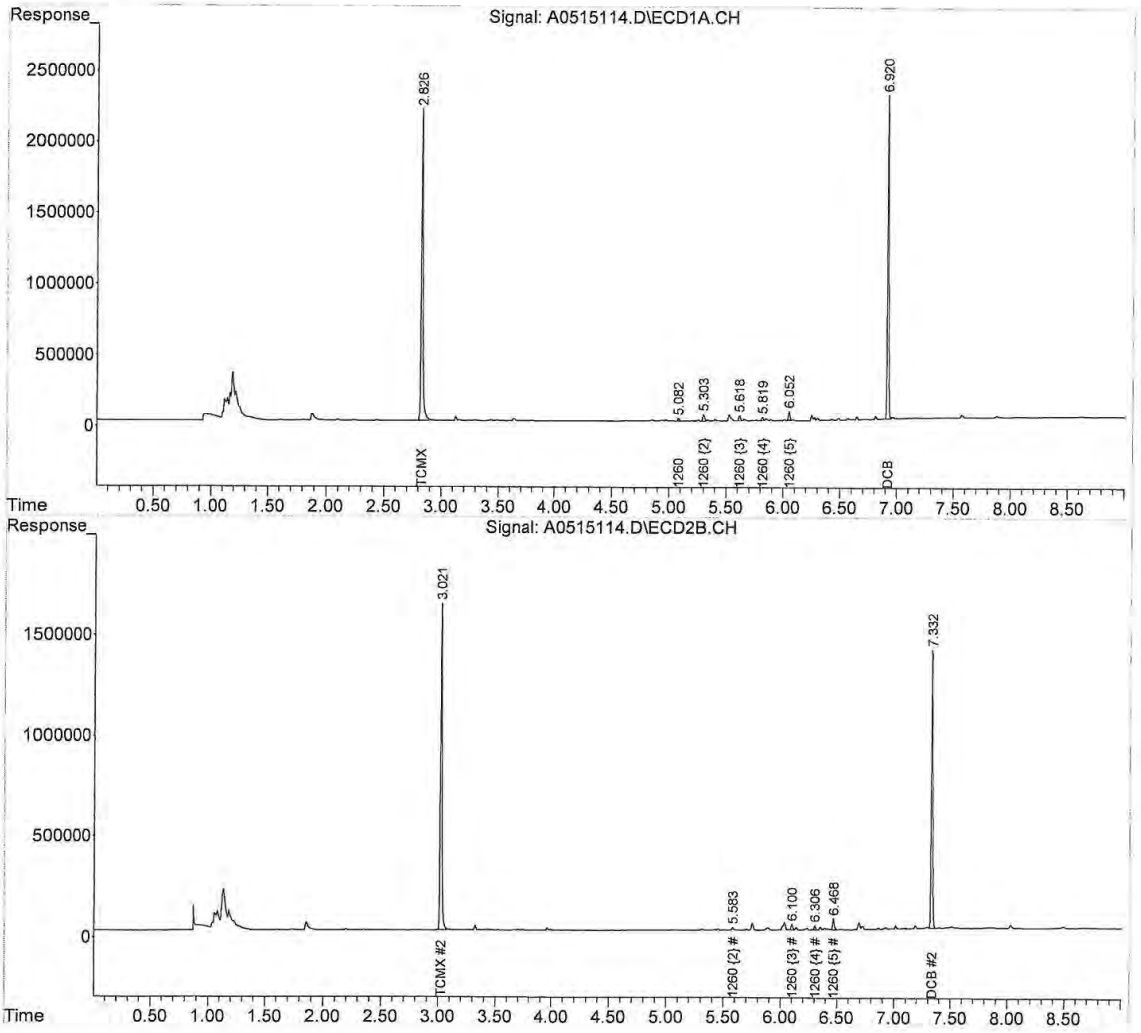
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051515\
Data File : A0515114.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 May 2015 4:01 am
Operator : JMB
Sample : 15E0584-12@5X Inst : HP G1530A
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 18 08:47:00 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-050915.M
Quant Title : 1260/1016 03/19/15 02/25/15 ICAL 1500098
QLast Update : Sat May 09 12:35:26 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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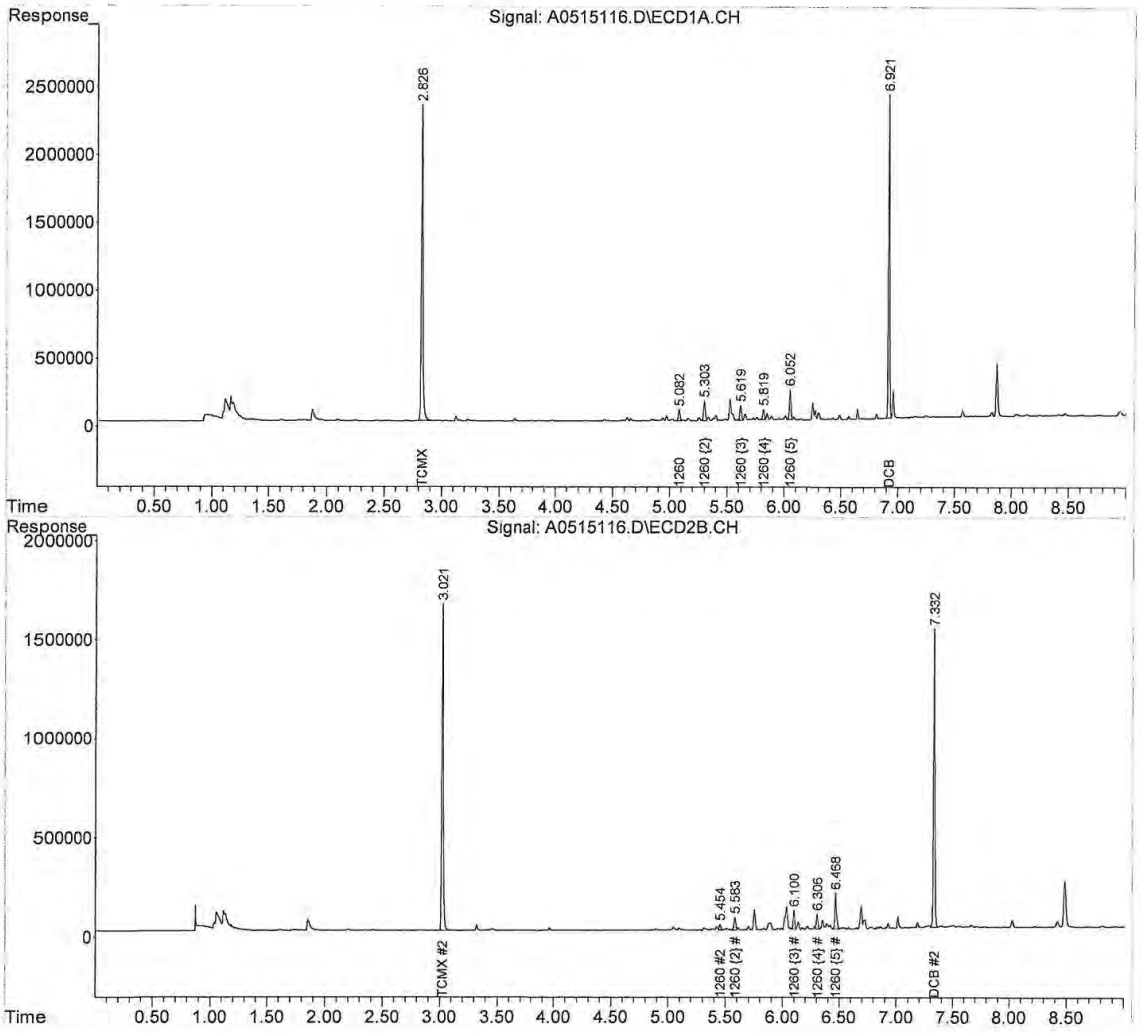
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051515\
Data File : A0515116.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 17 May 2015 4:26 am
Operator : JMB
Sample : 15E0584-14@5X Inst : HP G1530A
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 18 08:47:04 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-050915.M
Quant Title : 1260/1016 03/19/15 02/25/15 ICAL 1500098
QLast Update : Sat May 09 12:35:26 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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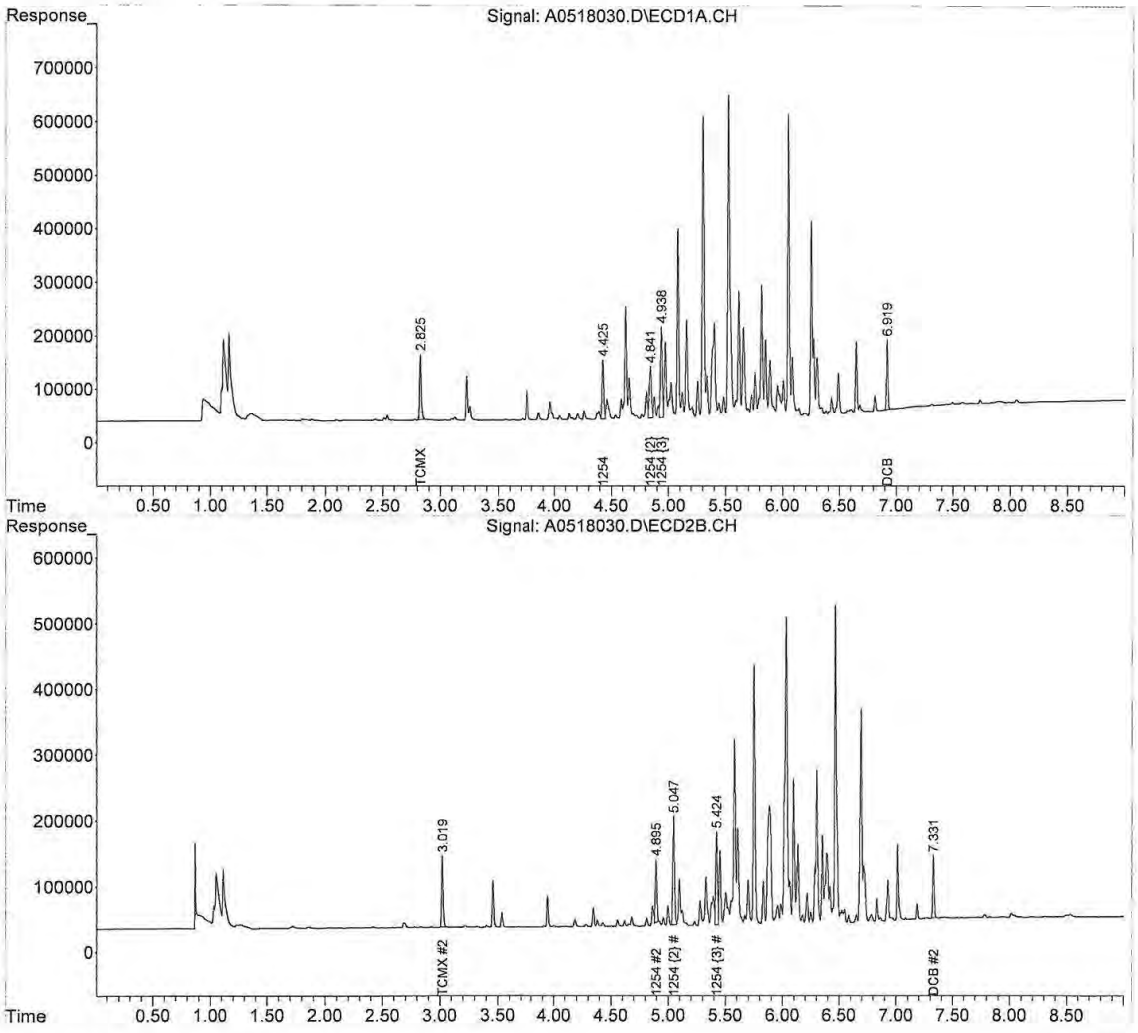
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051815\
Data File : A0518030.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 May 2015 4:00 pm
Operator : JMB
Sample : 15E0584-01@100X Inst : HP G1530A
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: 54-F.E
Integration File signal 2: 54-B.E
Quant Time: May 19 08:57:27 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-050915.M
Quant Title : 1254 03/19/15 03/04/15 ICAL 1500098
QLast Update : Sat May 09 14:24:19 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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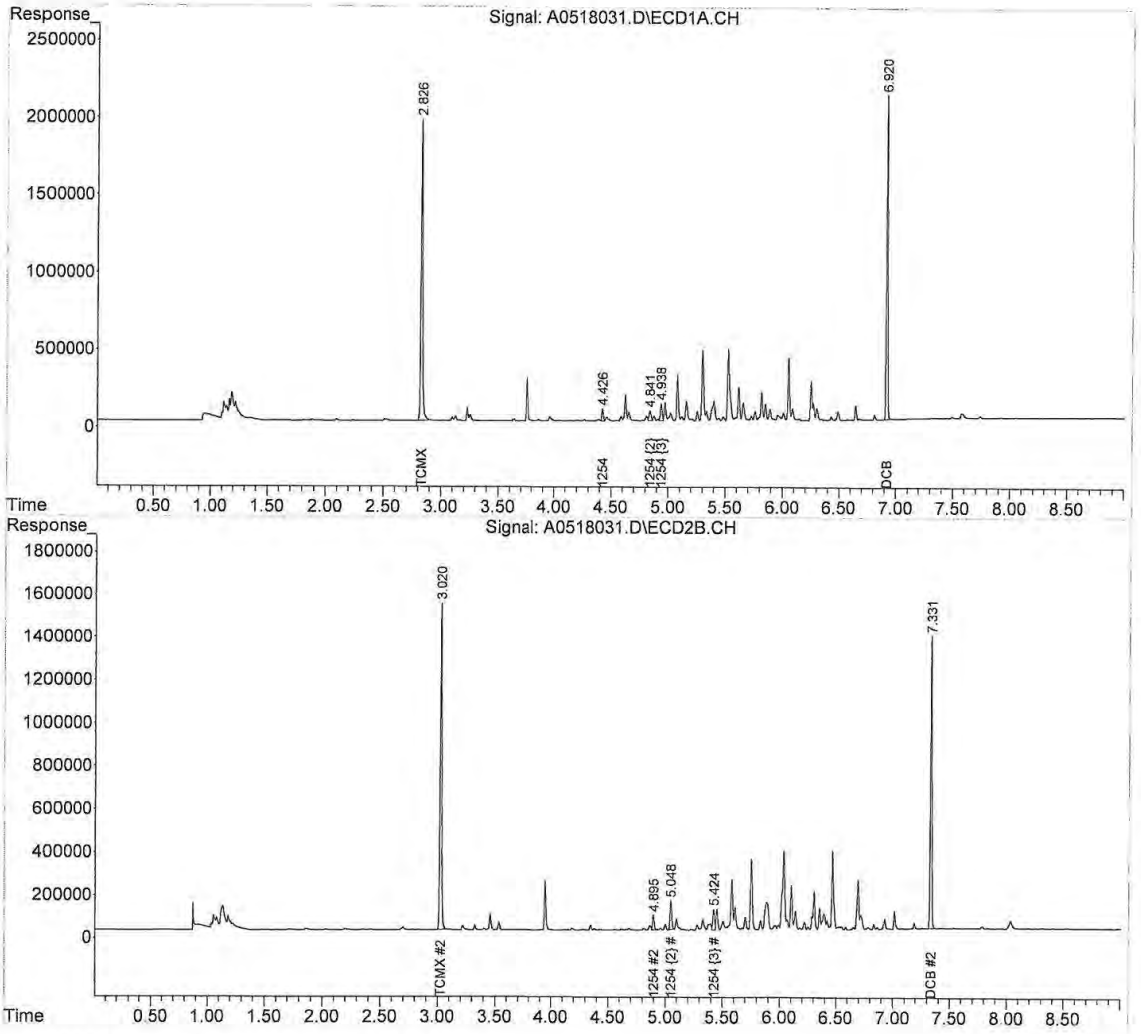
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051815\
Data File : A0518031.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 May 2015 4:13 pm
Operator : JMB
Sample : 15E0584-02@5X Inst : HP G1530A
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: 54-F.E
Integration File signal 2: 54-B.E
Quant Time: May 19 09:00:52 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-050915.M
Quant Title : 1254 03/19/15 03/04/15 ICAL 1500098
QLast Update : Sat May 09 14:24:19 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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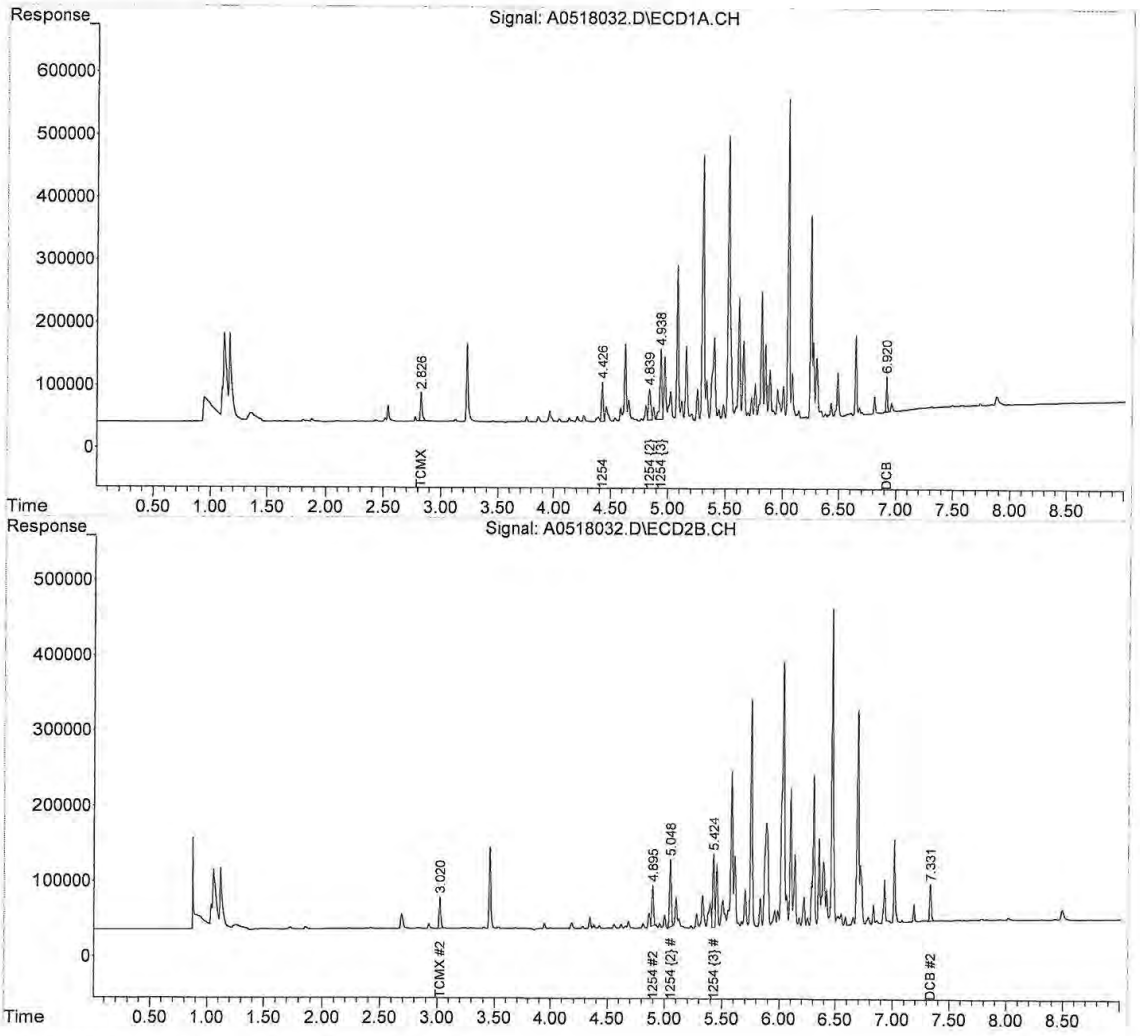
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051815\
Data File : A0518032.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 May 2015 4:26 pm
Operator : JMB
Sample : 15E0584-03@200X Inst : HP G1530A
Misc :
ALS Vial : 32 Sample Multiplier: 1

Integration File signal 1: 54-F.E
Integration File signal 2: 54-B.E
Quant Time: May 19 09:03:01 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-050915.M
Quant Title : 1254 03/19/15 03/04/15 ICAL 1500098
QLast Update : Sat May 09 14:24:19 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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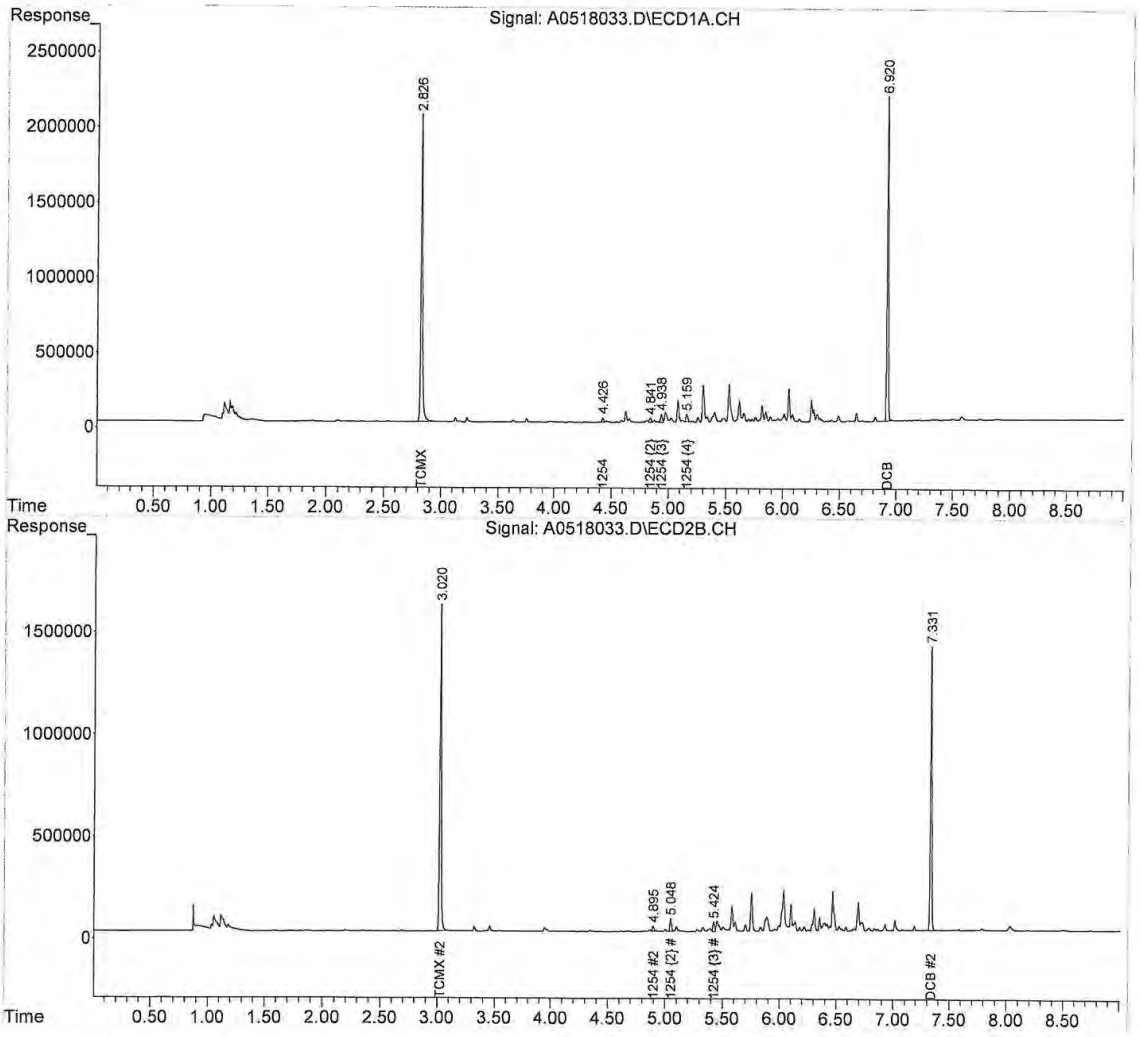
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051815\
Data File : A0518033.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 May 2015 4:39 pm
Operator : JMB
Sample : 15E0584-04@5X Inst : HP G1530A
Misc :
ALS Vial : 33 Sample Multiplier: 1

Integration File signal 1: 54-F.E
Integration File signal 2: 54-B.E
Quant Time: May 19 09:06:56 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-050915.M
Quant Title : 1254 03/19/15 03/04/15 ICAL 1500098
QLast Update : Sat May 09 14:24:19 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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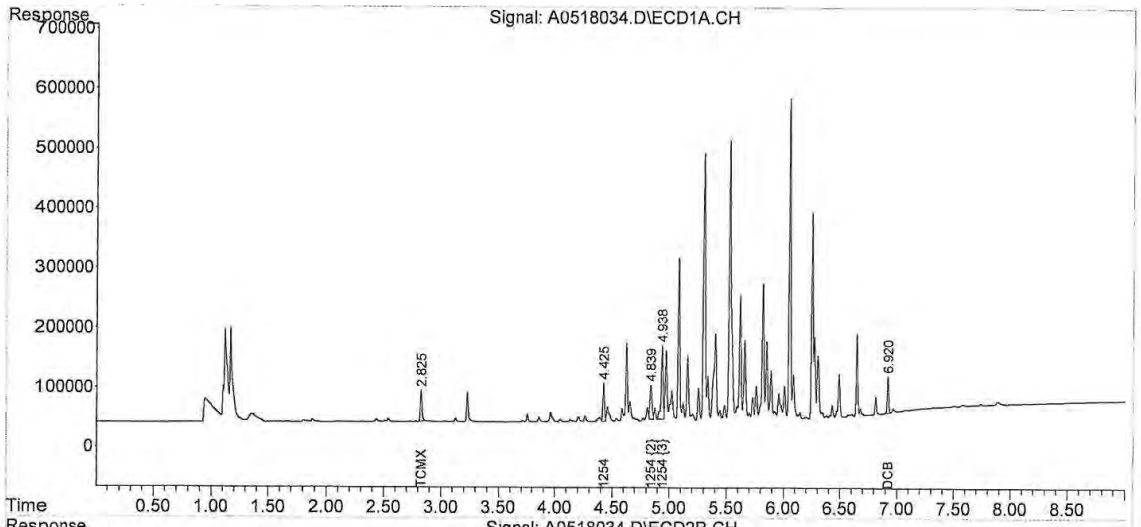
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051815\
Data File : A0518034.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 May 2015 4:52 pm
Operator : JMB
Sample : 15E0584-09@200X Inst : HP G1530A
Misc :
ALS Vial : 34 Sample Multiplier: 1

Integration File signal 1: 54-F.E
Integration File signal 2: 54-B.E
Quant Time: May 19 09:09:46 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-050915.M
Quant Title : 1254 03/19/15 03/04/15 ICAL 1500098
QLast Update : Sat May 09 14:24:19 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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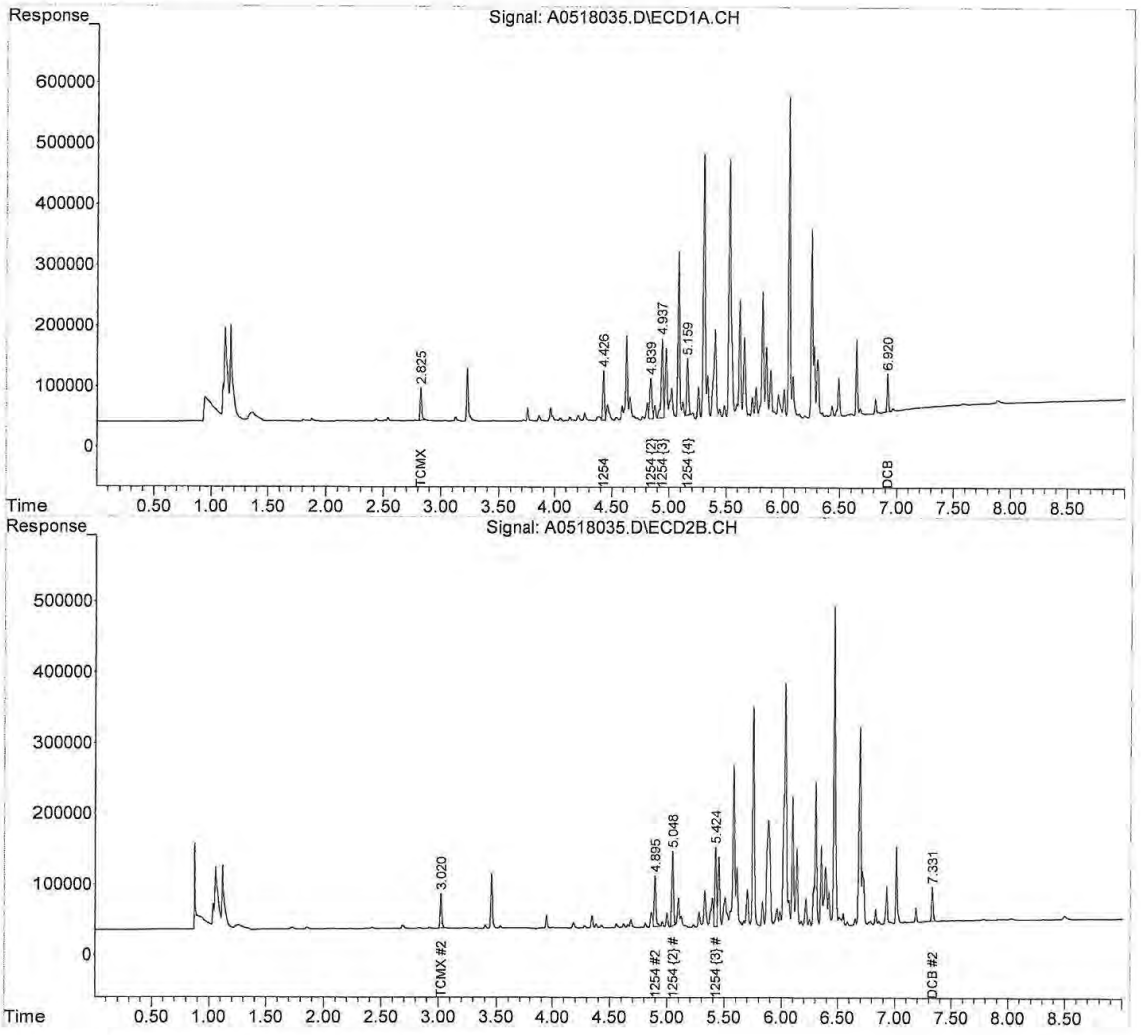
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051815\
Data File : A0518035.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 May 2015 5:05 pm
Operator : JMB
Sample : 15E0584-10@200X Inst : HP G1530A
Misc :
ALS Vial : 35 Sample Multiplier: 1

Integration File signal 1: 54-F.E
Integration File signal 2: 54-B.E
Quant Time: May 19 09:12:01 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-050915.M
Quant Title : 1254 03/19/15 03/04/15 ICAL 1500098
QLast Update : Sat May 09 14:24:19 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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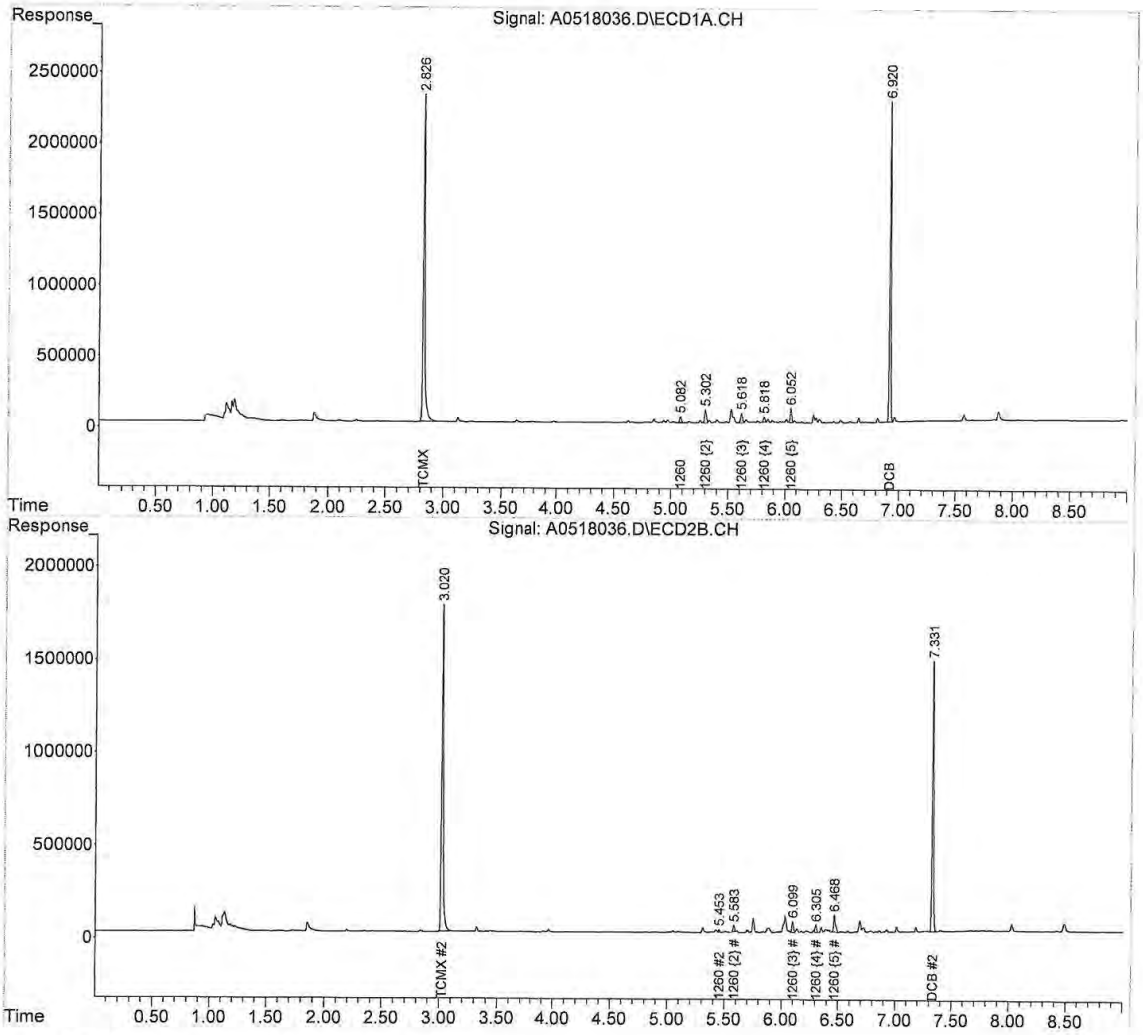
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051815\
Data File : A0518036.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 May 2015 5:18 pm
Operator : JMB
Sample : 15E0584-11@5X Inst : HP G1530A
Misc :
ALS Vial : 36 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: May 19 18:16:57 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-050915.M
Quant Title : 1260/1016 03/19/15 02/25/15 ICAL 1500098
QLast Update : Sat May 09 12:35:26 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



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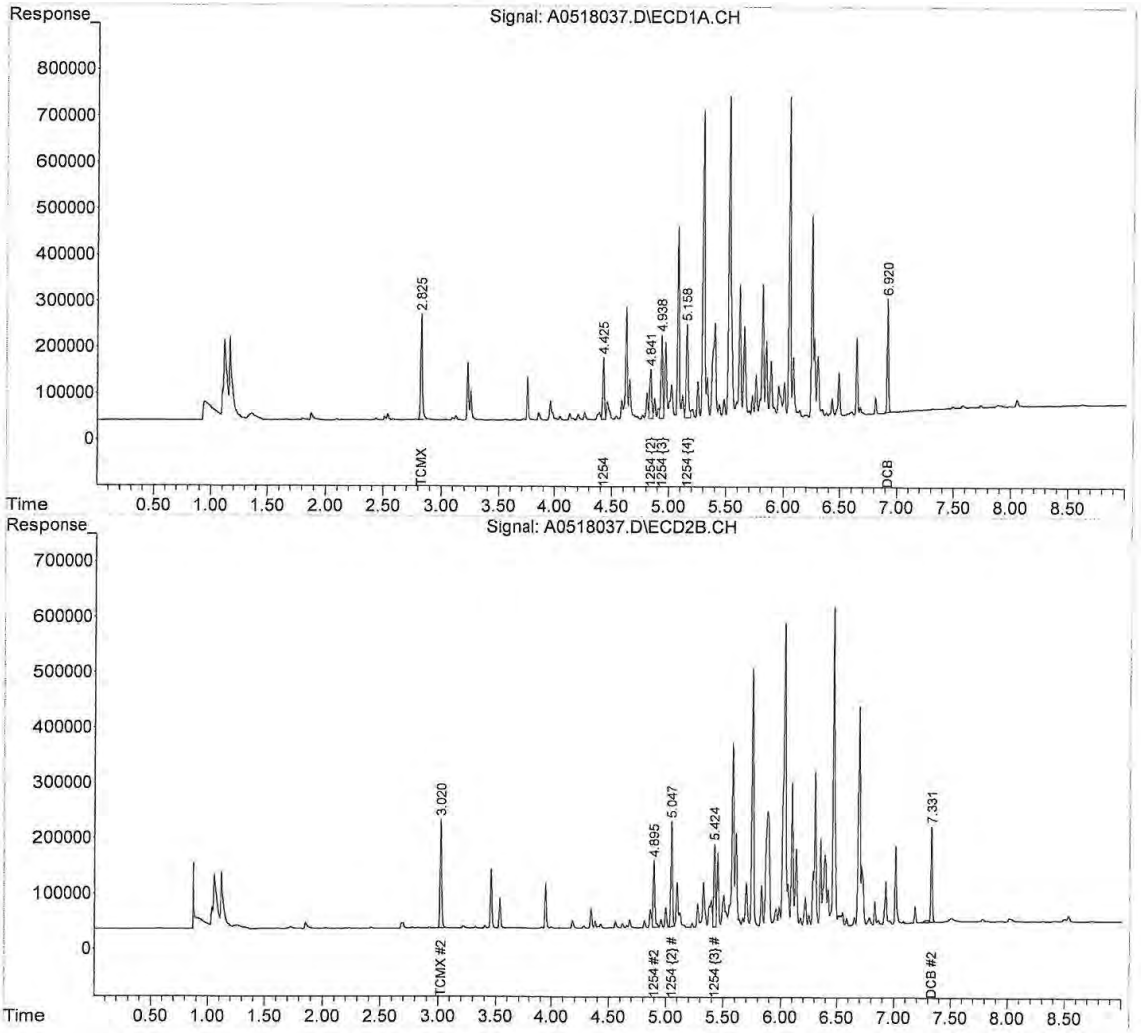
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051815\
Data File : A0518037.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 18 May 2015 5:31 pm
Operator : JMB
Sample : 15E0584-13@50X Inst : HP G1530A
Misc :
ALS Vial : 37 Sample Multiplier: 1

Integration File signal 1: 54-F.E
Integration File signal 2: 54-B.E
Quant Time: May 19 09:16:29 2015
DataAcq Meth:PCB01.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-050915.M
Quant Title : 1254 03/19/15 03/04/15 ICAL 1500098
QLast Update : Sat May 09 14:24:19 2015
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0584

Laboratory Sample ID(s):

15E0584-01 thru 15E0584-14

Sample Date(s):

05/13/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** **Manager, Laboratory Reporting**

Printed Name: **Johanna K. Harrington** **Date:** **05/20/15**

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

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

June 3, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0587

Enclosed are results of analyses for samples received by the laboratory on May 13, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 6/3/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0587

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B162-1	15E0587-01	Soil		SM 2540G	
				SW-846 8082A	
B162-2	15E0587-02	Soil		SM 2540G	
				SW-846 8082A	
B153-1	15E0587-06	Soil		SM 2540G	
				SW-846 8082A	
B153-2	15E0587-07	Soil		SM 2540G	
				SW-846 8082A	
B141-3	15E0587-11	Soil		SM 2540G	
				SW-846 8082A	
B142-3	15E0587-14	Soil		SM 2540G	
				SW-846 8082A	
B154-1	15E0587-17	Soil		SM 2540G	
				SW-846 8082A	
B154-2	15E0587-18	Soil		SM 2540G	
				SW-846 8082A	

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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 8082A

Qualifications:

O-03

Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]
15E0587-07[B153-2]

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.

Analyte & Samples(s) Qualified:

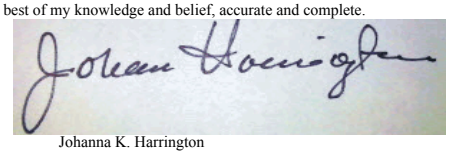
Decachlorobiphenyl
15E0587-06[B153-1]

Decachlorobiphenyl [2C]
15E0587-06[B153-1]

Tetrachloro-m-xylene
15E0587-06[B153-1]

Tetrachloro-m-xylene [2C]
15E0587-06[B153-1]

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



Johanna K. Harrington
Manager, Laboratory Reporting

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B162-1 Sampled: 5/13/2015 08:50

Sample ID: 15E0587-01

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 17:49	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 17:49	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 17:49	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 17:49	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 17:49	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 17:49	JMB
Aroclor-1260 [2]	0.15	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 17:49	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 17:49	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 17:49	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.5	30-150		5/30/15 17:49
Decachlorobiphenyl [2]	103	30-150		5/30/15 17:49
Tetrachloro-m-xylene [1]	88.5	30-150		5/30/15 17:49
Tetrachloro-m-xylene [2]	94.6	30-150		5/30/15 17:49

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B162-1 Sampled: 5/13/2015 08:50

Sample ID: 15E0587-01

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.2		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B162-2 Sampled: 5/13/2015 08:52

Sample ID: 15E0587-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:02	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:02	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:02	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:02	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:02	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:02	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:02	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:02	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:02	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.9	30-150		5/30/15 18:02
Decachlorobiphenyl [2]	93.3	30-150		5/30/15 18:02
Tetrachloro-m-xylene [1]	83.2	30-150		5/30/15 18:02
Tetrachloro-m-xylene [2]	91.7	30-150		5/30/15 18:02

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B162-2 Sampled: 5/13/2015 08:52

Sample ID: 15E0587-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B153-1 Sampled: 5/13/2015 09:10

Sample ID: 15E0587-06

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/26/15	5/31/15 7:42	JMB
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/26/15	5/31/15 7:42	JMB
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/26/15	5/31/15 7:42	JMB
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/26/15	5/31/15 7:42	JMB
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/26/15	5/31/15 7:42	JMB
Aroclor-1254 [2]	2.8	1.1	mg/Kg dry	50		SW-846 8082A	5/26/15	5/31/15 7:42	JMB
Aroclor-1260 [2]	5.1	1.1	mg/Kg dry	50		SW-846 8082A	5/26/15	5/31/15 7:42	JMB
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/26/15	5/31/15 7:42	JMB
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/26/15	5/31/15 7:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/31/15 7:42
Decachlorobiphenyl [2]	*	30-150	S-01	5/31/15 7:42
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/31/15 7:42
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/31/15 7:42

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B153-1 Sampled: 5/13/2015 09:10

Sample ID: 15E0587-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B153-2 Sampled: 5/13/2015 09:12

Sample ID: 15E0587-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:26	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:26	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:26	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:26	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:26	JMB
Aroclor-1254 [2]	0.28	0.12	mg/Kg dry	5	O-03	SW-846 8082A	5/26/15	5/30/15 18:26	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:26	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:26	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/26/15	5/30/15 18:26	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		5/30/15 18:26
Decachlorobiphenyl [2]	102	30-150		5/30/15 18:26
Tetrachloro-m-xylene [1]	89.1	30-150		5/30/15 18:26
Tetrachloro-m-xylene [2]	97.7	30-150		5/30/15 18:26

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B153-2 Sampled: 5/13/2015 09:12

Sample ID: 15E0587-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.5		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B141-3 Sampled: 5/13/2015 09:34

Sample ID: 15E0587-11

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 15:53	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 15:53	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 15:53	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 15:53	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 15:53	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 15:53	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 15:53	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 15:53	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 15:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	111	30-150		5/21/15 15:53
Decachlorobiphenyl [2]	108	30-150		5/21/15 15:53
Tetrachloro-m-xylene [1]	104	30-150		5/21/15 15:53
Tetrachloro-m-xylene [2]	105	30-150		5/21/15 15:53

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B141-3 Sampled: 5/13/2015 09:34

Sample ID: 15E0587-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2		% Wt	1		SM 2540G	5/21/15	5/22/15 9:42	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B142-3 Sampled: 5/13/2015 09:44

Sample ID: 15E0587-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 16:05	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 16:05	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 16:05	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 16:05	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 16:05	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 16:05	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 16:05	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 16:05	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/20/15	5/21/15 16:05	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		5/21/15 16:05
Decachlorobiphenyl [2]	102	30-150		5/21/15 16:05
Tetrachloro-m-xylene [1]	102	30-150		5/21/15 16:05
Tetrachloro-m-xylene [2]	101	30-150		5/21/15 16:05

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B142-3 Sampled: 5/13/2015 09:44

Sample ID: 15E0587-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.3		% Wt	1		SM 2540G	5/21/15	5/22/15 9:42	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B154-1 Sampled: 5/13/2015 10:00

Sample ID: 15E0587-17

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/26/15	5/28/15 11:33	PJG
Aroclor-1221 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/26/15	5/28/15 11:33	PJG
Aroclor-1232 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/26/15	5/28/15 11:33	PJG
Aroclor-1242 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/26/15	5/28/15 11:33	PJG
Aroclor-1248 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/26/15	5/28/15 11:33	PJG
Aroclor-1254 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/26/15	5/28/15 11:33	PJG
Aroclor-1260 [2]	3.6	0.56	mg/Kg dry	25		SW-846 8082A	5/26/15	5/28/15 11:33	PJG
Aroclor-1262 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/26/15	5/28/15 11:33	PJG
Aroclor-1268 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/26/15	5/28/15 11:33	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		5/28/15 11:33
Decachlorobiphenyl [2]	128	30-150		5/28/15 11:33
Tetrachloro-m-xylene [1]	93.4	30-150		5/28/15 11:33
Tetrachloro-m-xylene [2]	95.6	30-150		5/28/15 11:33

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B154-1 Sampled: 5/13/2015 10:00

Sample ID: 15E0587-17

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.7		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B154-2 Sampled: 5/13/2015 10:02

Sample ID: 15E0587-18

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/27/15 23:09	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/27/15 23:09	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/27/15 23:09	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/27/15 23:09	PJG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/27/15 23:09	PJG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/27/15 23:09	PJG
Aroclor-1260 [2]	0.41	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/27/15 23:09	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/27/15 23:09	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/26/15	5/27/15 23:09	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.4	30-150		5/27/15 23:09
Decachlorobiphenyl [2]	99.4	30-150		5/27/15 23:09
Tetrachloro-m-xylene [1]	75.7	30-150		5/27/15 23:09
Tetrachloro-m-xylene [2]	84.7	30-150		5/27/15 23:09

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0587

Date Received: 5/13/2015

Field Sample #: B154-2 Sampled: 5/13/2015 10:02

Sample ID: 15E0587-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.3		% Wt	1		SM 2540G	5/26/15	5/27/15 10:38	MRL

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
15E0587-11 [B141-3]	B122260	05/21/15
15E0587-14 [B142-3]	B122260	05/21/15

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0587-01 [B162-1]	B122468	05/26/15
15E0587-02 [B162-2]	B122468	05/26/15
15E0587-06 [B153-1]	B122468	05/26/15
15E0587-07 [B153-2]	B122468	05/26/15
15E0587-17 [B154-1]	B122468	05/26/15
15E0587-18 [B154-2]	B122468	05/26/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0587-11 [B141-3]	B122206	10.0	10.0	05/20/15
15E0587-14 [B142-3]	B122206	10.1	10.0	05/20/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0587-01 [B162-1]	B122453	10.1	10.0	05/26/15
15E0587-02 [B162-2]	B122453	10.2	10.0	05/26/15
15E0587-06 [B153-1]	B122453	10.8	10.0	05/26/15
15E0587-07 [B153-2]	B122453	10.5	10.0	05/26/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0587-17 [B154-1]	B122464	10.1	10.0	05/26/15
15E0587-18 [B154-2]	B122464	10.2	10.0	05/26/15

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

QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122206 - SW-846 3540C										
Blank (B122206-BLK1)				Prepared: 05/20/15 Analyzed: 05/21/15						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.242*		mg/Kg wet	0.200		121	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.239*		mg/Kg wet	0.200		120	30-150			
Surrogate: Tetrachloro-m-xylene	*0.216*		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.219*		mg/Kg wet	0.200		110	30-150			
LCS (B122206-BS1)				Prepared: 05/20/15 Analyzed: 05/21/15						
Aroclor-1016	0.23	0.10	mg/Kg wet	0.199		116	40-140			
Aroclor-1016 [2C]	0.24	0.10	mg/Kg wet	0.199		121	40-140			
Aroclor-1260	0.24	0.10	mg/Kg wet	0.199		121	40-140			
Aroclor-1260 [2C]	0.24	0.10	mg/Kg wet	0.199		121	40-140			
Surrogate: Decachlorobiphenyl	*0.227*		mg/Kg wet	0.199		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.217*		mg/Kg wet	0.199		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.221*		mg/Kg wet	0.199		111	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.220*		mg/Kg wet	0.199		110	30-150			
LCS Dup (B122206-BSD1)				Prepared: 05/20/15 Analyzed: 05/21/15						
Aroclor-1016	0.24	0.10	mg/Kg wet	0.200		118	40-140	2.05	30	
Aroclor-1016 [2C]	0.25	0.10	mg/Kg wet	0.200		125	40-140	3.41	30	
Aroclor-1260	0.25	0.10	mg/Kg wet	0.200		123	40-140	1.79	30	
Aroclor-1260 [2C]	0.25	0.10	mg/Kg wet	0.200		124	40-140	2.02	30	
Surrogate: Decachlorobiphenyl	*0.229*		mg/Kg wet	0.200		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.221*		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	*0.227*		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.225*		mg/Kg wet	0.200		113	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122453 - SW-846 3540C										
Blank (B122453-BLK1)				Prepared: 05/26/15 Analyzed: 05/30/15						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.231*		mg/Kg wet	0.200		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.218*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.199*		mg/Kg wet	0.200		99.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.209*		mg/Kg wet	0.200		104	30-150			
LCS (B122453-BS1)				Prepared: 05/26/15 Analyzed: 05/30/15						
Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		110	40-140			
Aroclor-1016 [2C]	0.23	0.10	mg/Kg wet	0.200		113	40-140			
Aroclor-1260	0.23	0.10	mg/Kg wet	0.200		116	40-140			
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		117	40-140			
Surrogate: Decachlorobiphenyl	*0.230*		mg/Kg wet	0.200		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.219*		mg/Kg wet	0.200		110	30-150			
Surrogate: Tetrachloro-m-xylene	*0.191*		mg/Kg wet	0.200		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.210*		mg/Kg wet	0.200		105	30-150			
LCS Dup (B122453-BSD1)				Prepared: 05/26/15 Analyzed: 05/30/15						
Aroclor-1016	0.22	0.10	mg/Kg wet	0.200		109	40-140	0.674	30	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		112	40-140	0.470	30	
Aroclor-1260	0.23	0.10	mg/Kg wet	0.200		116	40-140	0.437	30	
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		117	40-140	0.387	30	
Surrogate: Decachlorobiphenyl	*0.227*		mg/Kg wet	0.200		114	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.219*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.188*		mg/Kg wet	0.200		94.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.207*		mg/Kg wet	0.200		103	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122453 - SW-846 3540C										
Matrix Spike (B122453-MS1)	**Source: 15E0587-01**			Prepared: 05/26/15 Analyzed: 05/30/15						
Aroclor-1016	0.25	0.11	mg/Kg dry	0.227	ND	110	40-140			
Aroclor-1016 [2C]	0.25	0.11	mg/Kg dry	0.227	ND	111	40-140			
Aroclor-1260	0.39	0.11	mg/Kg dry	0.227	0.13	112	40-140			
Aroclor-1260 [2C]	0.39	0.11	mg/Kg dry	0.227	0.15	106	40-140			
Surrogate: Decachlorobiphenyl	*0.235*		mg/Kg dry	0.227		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.237*		mg/Kg dry	0.227		105	30-150			
Surrogate: Tetrachloro-m-xylene	*0.217*		mg/Kg dry	0.227		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.233*		mg/Kg dry	0.227		103	30-150			
Matrix Spike Dup (B122453-MSD1)	**Source: 15E0587-01**			Prepared: 05/26/15 Analyzed: 05/30/15						
Aroclor-1016	0.26	0.11	mg/Kg dry	0.226	ND	115	40-140	4.25	50	
Aroclor-1016 [2C]	0.26	0.11	mg/Kg dry	0.226	ND	117	40-140	4.27	50	
Aroclor-1260	0.39	0.11	mg/Kg dry	0.226	0.13	113	40-140	0.242	50	
Aroclor-1260 [2C]	0.38	0.11	mg/Kg dry	0.226	0.15	105	40-140	0.975	50	
Surrogate: Decachlorobiphenyl	*0.244*		mg/Kg dry	0.226		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.243*		mg/Kg dry	0.226		108	30-150			
Surrogate: Tetrachloro-m-xylene	*0.220*		mg/Kg dry	0.226		97.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.237*		mg/Kg dry	0.226		105	30-150			
Batch B122464 - SW-846 3540C										
Blank (B122464-BLK1)				Prepared: 05/26/15 Analyzed: 05/27/15						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.167*		mg/Kg wet	0.200		83.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.231*		mg/Kg wet	0.200		115	30-150			
Surrogate: Tetrachloro-m-xylene	*0.159*		mg/Kg wet	0.200		79.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.204*		mg/Kg wet	0.200		102	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122464 - SW-846 3540C										
LCS (B122464-BS1)				Prepared: 05/26/15 Analyzed: 05/27/15						
Aroclor-1016	0.19	0.10	mg/Kg wet	0.200		95.6	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		107	40-140			
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		97.4	40-140			
Aroclor-1260 [2C]	0.23	0.10	mg/Kg wet	0.200		116	40-140			
Surrogate: Decachlorobiphenyl	*0.182*		mg/Kg wet	0.200		91.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.217*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.172*		mg/Kg wet	0.200		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.194*		mg/Kg wet	0.200		97.4	30-150			
LCS Dup (B122464-BSD1)				Prepared: 05/26/15 Analyzed: 05/27/15						
Aroclor-1016	0.17	0.10	mg/Kg wet	0.199		85.4	40-140	11.6	30	
Aroclor-1016 [2C]	0.18	0.10	mg/Kg wet	0.199		91.8	40-140	16.1	30	
Aroclor-1260	0.17	0.10	mg/Kg wet	0.199		86.5	40-140	12.1	30	
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.199		101	40-140	14.1	30	
Surrogate: Decachlorobiphenyl	*0.158*		mg/Kg wet	0.199		79.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.186*		mg/Kg wet	0.199		93.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.141*		mg/Kg wet	0.199		70.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.157*		mg/Kg wet	0.199		79.0	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 B122260 - % Solids										
Duplicate (B122260-DUP1)	**Source: 15E0587-14**			Prepared: 05/21/15 Analyzed: 05/22/15						
% Solids	89.4		% Wt		89.3			0.112	20	
Batch B122468 - % Solids										
Duplicate (B122468-DUP3)	**Source: 15E0587-01**			Prepared: 05/26/15 Analyzed: 05/27/15						
% Solids	87.8		% Wt		87.2			0.686	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B162-1

Lab Sample ID: 15E0587-01 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.13	
	2	0.00	-0.03	0.03	0.15	11.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B153-1

Lab Sample ID: 15E0587-06 Date(s) Analyzed: 05/31/2015 05/31/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	2.4	
	2	0.00	-0.03	0.03	2.8	16.2
Aroclor-1260	1	0.00	-0.03	0.03	4.5	
	2	0.00	-0.03	0.03	5.1	12.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B153-2

Lab Sample ID: 15E0587-07 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.28	17.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B154-1

Lab Sample ID: 15E0587-17 Date(s) Analyzed: 05/28/2015 05/28/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	2.7	
	2	0.00	-0.03	0.03	3.6	28.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B154-2

Lab Sample ID: 15E0587-18 Date(s) Analyzed: 05/27/2015 05/27/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1260	1	0.00	-0.03	0.03	0.33	
	2	0.00	-0.03	0.03	0.41	21.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122206-BS1 Date(s) Analyzed: 05/21/2015 05/21/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.24	4
Aroclor-1260	1	0.00	-0.03	0.03	0.24	
	2	0.00	-0.03	0.03	0.24	1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122206-BSD1 Date(s) Analyzed: 05/21/2015 05/21/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.24	
	2	0.00	-0.03	0.03	0.25	6
Aroclor-1260	1	0.00	-0.03	0.03	0.25	
	2	0.00	-0.03	0.03	0.25	2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122453-BS1 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.23	4
Aroclor-1260	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.23	1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122453-BSD1 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.22	0
Aroclor-1260	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.23	1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B122453-MS1 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.25	
	2	0.00	-0.03	0.03	0.25	0
Aroclor-1260	1	0.00	-0.03	0.03	0.39	
	2	0.00	-0.03	0.03	0.39	1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B122453-MSD1 Date(s) Analyzed: 05/30/2015 05/30/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.26	
	2	0.00	-0.03	0.03	0.26	0
Aroclor-1260	1	0.00	-0.03	0.03	0.39	
	2	0.00	-0.03	0.03	0.38	2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122464-BS1 Date(s) Analyzed: 05/27/2015 05/27/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.21	9
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.23	17

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122464-BSD1 Date(s) Analyzed: 05/27/2015 05/27/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.18	6
Aroclor-1260	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.20	15

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

FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.
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 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260	CT,NH,NY,ME,NC,VA,NJ
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,NJ

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

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

Jim Georgantas

Subject: FW: PCB activations

Here are a few more additional samples to run.

From today's report from samples collected May 13.

Please analyze B-141-3 and extract and hold B-141 -4 and B-141-5

Please analyze B-142-3 and extract and hold B-143-4

Please analyze B-156-3 and -4 and extract and hold B-156-5

Thank you very much

Ken

Kenneth J. Gendron, P.G., LSP
PROJECT MANAGER
Weston&Sampson®
427 Main Street, Suite 400
Worcester, MA 01608
www.westonandsampson.com
Cell: 508-479-2924
Office: 978-532-1900 ext. 2501

CHAIN OF CUSTODY RECORD

con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

15E0587

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473
Address: 273 Dividend Rd Project # 860 513-1483
Rocky Hill, CT 06067 Client PO# 02274021 Release 00005
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

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

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS
○ OTHER _____
○ "Enhanced Data Package"

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
01	B162-1	5-13-15	0850		X	S	U			✓			
02	B162-2		0852							✓			
03	B162-3		0854							✓			
04	B162-4		0856							✓			
05	B162-5		0858							✓			
06	B153-1		0910							✓			
07	B153-2		0912							✓			
08	B153-3		0914							✓			
09	B153-4		0916							✓			
10	B153-5	✓	0918		✓	✓	✓			✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Please hold for future extr. + analysis
Note soxhlet extraction rqmts. for samples and TAT.

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

Relinquished by: (signature)	Date/Time:
[signature] 5/13/15	
Received by: (signature)	Date/Time:
[signature] 5/13/15	334
Relinquished by: (signature)	Date/Time:
[signature] 5/13/15	410
Received by: (signature)	Date/Time:
[signature] 4.3°C 5/13/15	10:15

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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con-test® ANALYTICAL LABORATORY
Phone: 413-525-2332
Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0587

Company Name: Weston and Sampson (for NUSCO)
Telephone: 860 513-1473
Address: 273 Dividend Rd
Rocky Hill, CT 06067
Project # 860 513-1483
Client PO# 02274021 Release 00005
Attention: Ken Gendron
Project Location: Berlin Settling Pond (Berlin, CT)
Sampled By: Will Sirotnak

DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE
Fax # sorokca@nu.com
Email: gendronk@wseinc.com
Format: ◉ PDF ◉ EXCEL ○ GIS ○ OTHER
○ "Enhanced Data Package"

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

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Conc Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
11	B141-3 ★	5-13-15	0934		X	S	U			✓			
12	B141-4 ★★		0936							✓			
13	B141-5 ★★		0938							✓			
14	B142-3 ★		0944							✓			
15	B142-4 ★★		0946							✓			
16	B142-5 ★★		0948							✓			
17	B154-1		1000							✓			
18	B154-2		1002							✓			
19	B154-3		1004							✓			
20	B154-4	↓	1006		↓	↓	↓			✓			

ANALYSIS REQUESTED

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Please hold for future extr. + analysis

Note soxhlet extraction rqmts. for samples and TAT.

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)	5/13/15	Date/Time:
Received by: (signature)	5/13/15	Date/Time: 933
Relinquished by: (signature)	5/13/15	Date/Time: 933
Received by: (signature) 4.3°C	5/13/15	Date/Time: 1615

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 Form Required
◉ RCP Form Required
○ MA State DW Form Required PWSID # _____

ACCREDITED IN ACCORDANCE WITH nelac — ACCREDITED LABORATORY AIHA
NELAC & AIHA Certified
WBE/DBE Certified

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

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

con-test ANALYTICAL LABORATORY



Sample Receipt Checklist

CLIENT NAME: Northeast Utilities RECEIVED BY: RLF DATE: 5/13/15

1) Was the chain(s) of custody relinquished and signed? (Yes) No No CoC Included
2) Does the chain agree with the samples? (Yes) No
If not, explain:
3) Are all the samples in good condition? (Yes) No
If not, explain:
4) How were the samples received:
On Ice ☑ Direct from Sampling ☐ Ambient ☐ In Cooler(s) ☑
Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A
Temperature °C by Temp blank _____ Temperature °C by Temp gun 4.3°C
5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____
6) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____
7) Location where samples are stored: 19
Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____
8) Do all samples have the proper Acid pH: Yes No (N/A)
9) Do all samples have the proper Base pH: Yes No (N/A)
10) Was the PC notified of any discrepancies with the CoC vs the samples: Yes No (N/A)

Containers received at Con-Test

	# of containers		# of containers
1 Liter Amber		8 oz amber/clear jar	
500 mL Amber		4 oz amber/clear jar	7
250 mL Amber (8oz amber)		2 oz amber/clear jar	
1 Liter Plastic		Plastic Bag / Ziploc	
500 mL Plastic		SOC Kit	
250 mL plastic		Non-ConTest Container	
40 mL Vial - type listed below		Perchlorate Kit	
Colisure / bacteria bottle		Flashpoint bottle	
Dissolved Oxygen bottle		Other glass jar	
Encore		Other	

Laboratory Comments:

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

Time and Date Frozen:

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Login Sample Receipt Checklist

(Rejection Criteria Listing - Using Sample Acceptance Policy)

Any False statement will be brought to the attention of Client

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

Who notified of False statements? **Date/Time:**

Doc #277 Rev. 4 August 2013 **Log-In Technician Initials:** **Date/Time:**

RLF 5/13/15 1015

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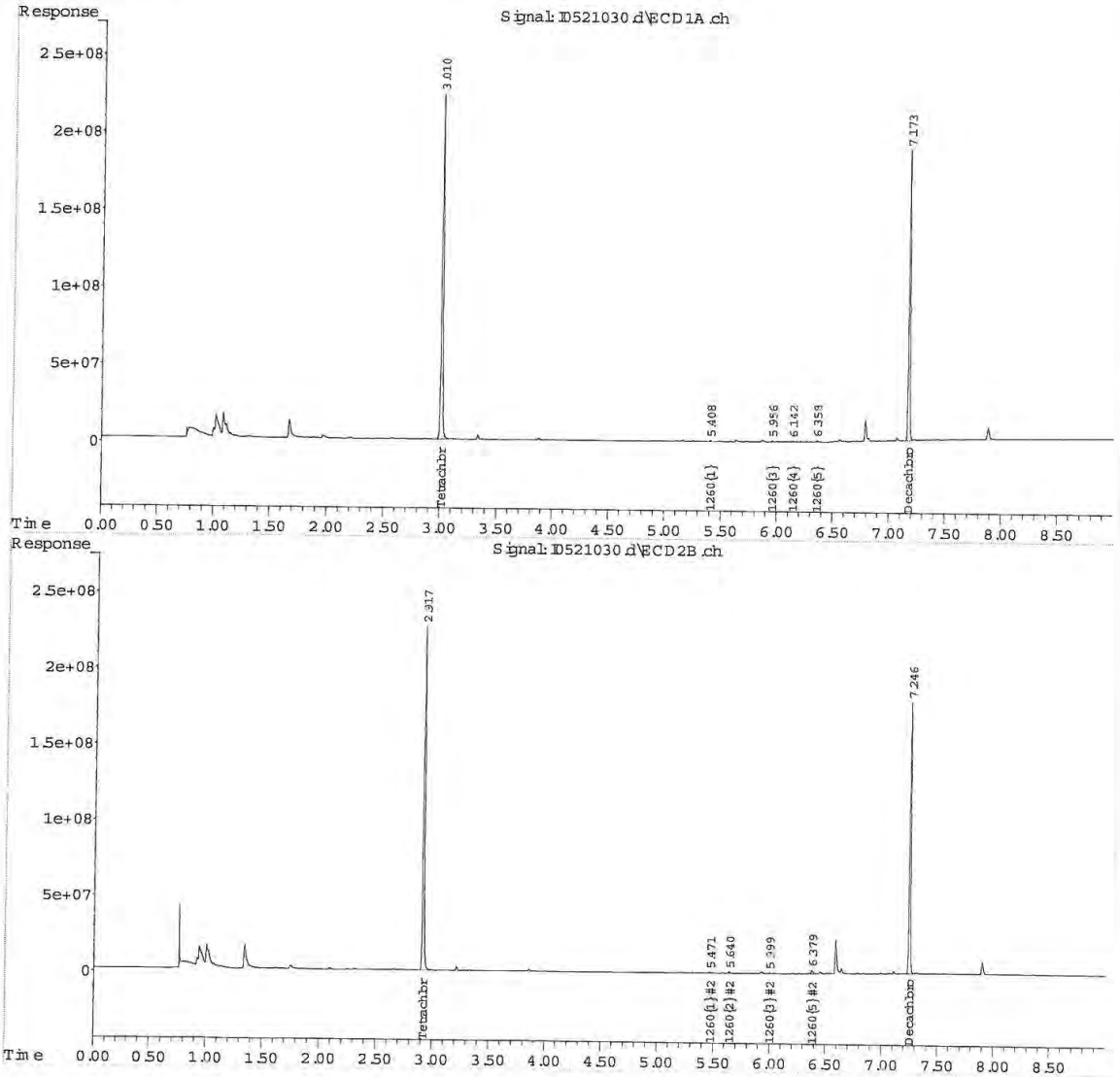
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\052115\
Data File : I0521030.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2015 3:53 pm
Operator : JMB
Sample : 15E0587-11@5X TBA Inst : ECD 9
Misc :
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 21 18:18:28 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-052015.M
Quant Title : 1260/1016 05/05/15 02/25/15 ICAL 1500147
QLast Update : Tue May 05 18:48:07 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



9-1260-052015.M Thu May 21 18:18:30 2015

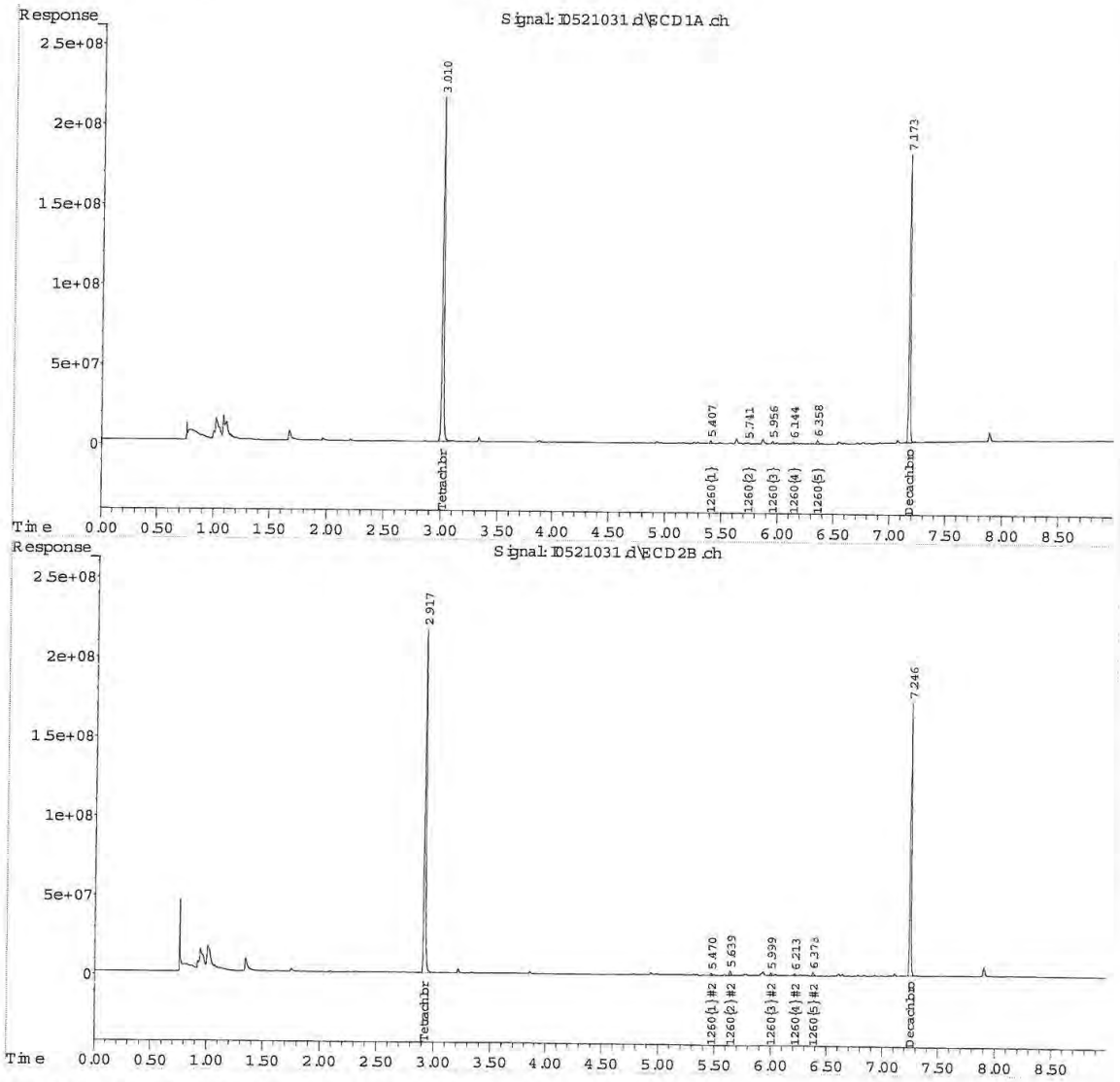
Table of Contents

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\052115\
Data File : I0521031.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2015 4:05 pm
Operator : JMB
Sample : 15E0587-14@5X TBA Inst : ECD 9
Misc :
ALS Vial : 31 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 21 18:18:32 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-052015.M
Quant Title : 1260/1016 05/05/15 02/25/15 ICAL 1500147
QLast Update : Tue May 05 18:48:07 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :



9-1260-052015.M Thu May 21 18:18:34 2015

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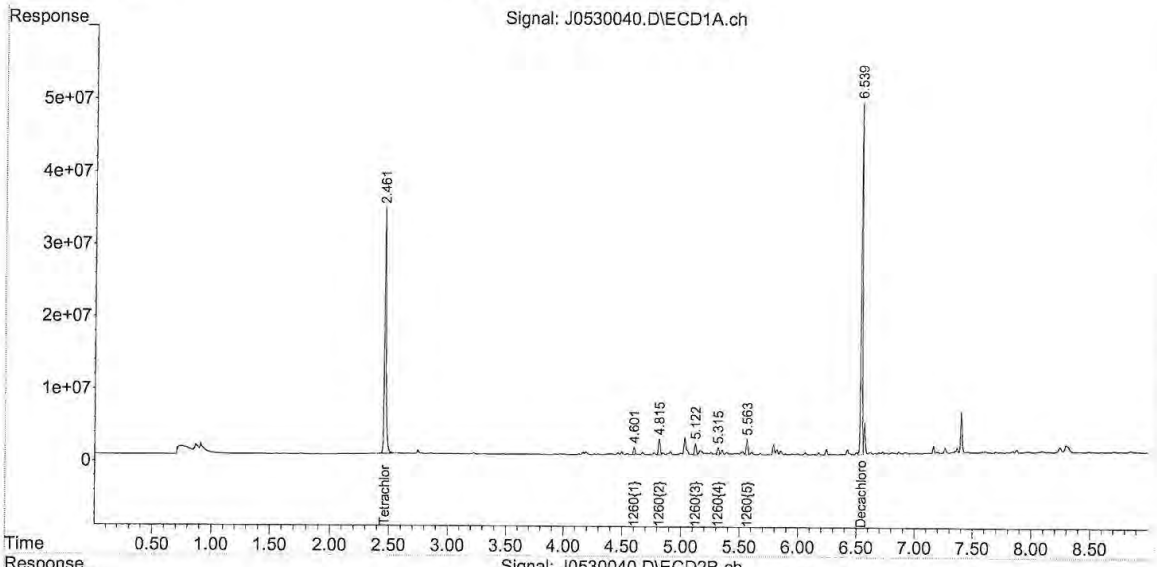
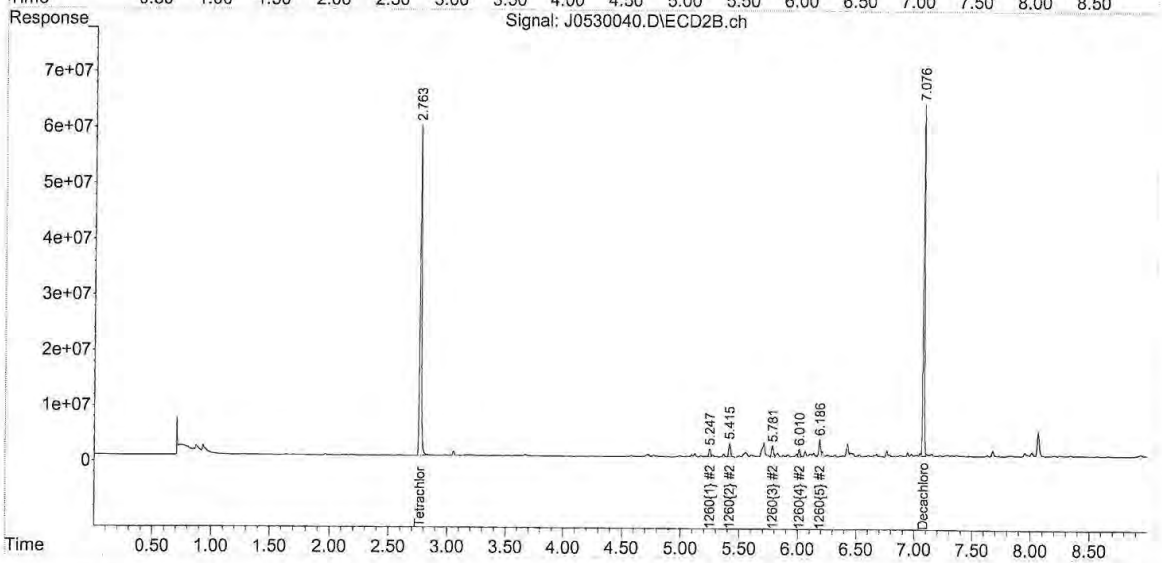
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\053015\
Data File : J0530040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 5:49 pm
Operator : JMB
Sample : 15E0587-01@5X TBA Inst : ECD10
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 31 06:39:13 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-052615.M
Quant Title : 1260/1016 03/25/15 02/25/15 ICAL 1500103
QLast Update : Mon Apr 20 21:34:19 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





10-1260-052615.M Sun May 31 09:34:17 2015

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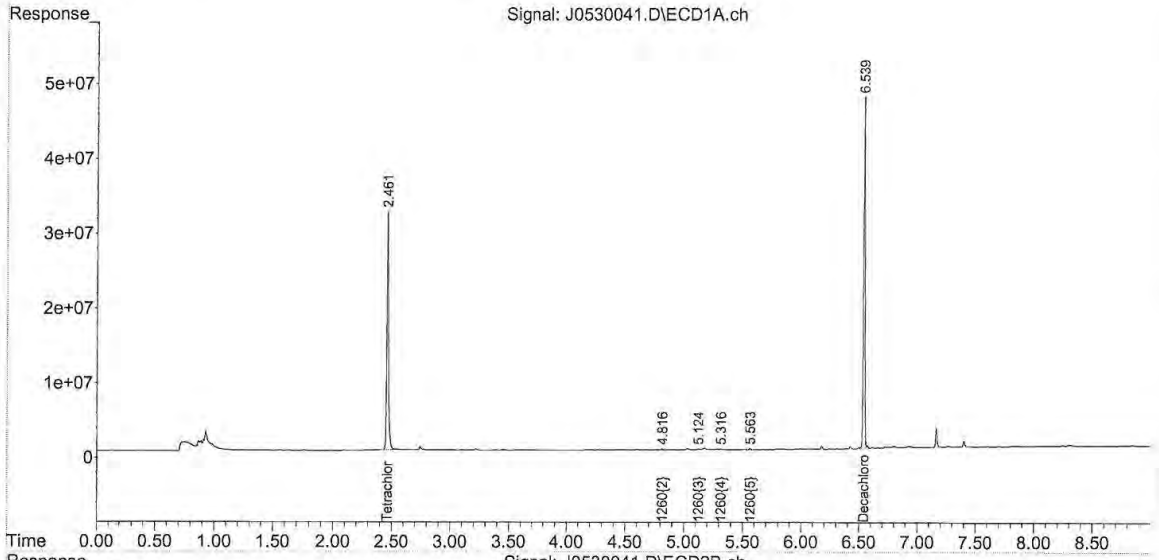
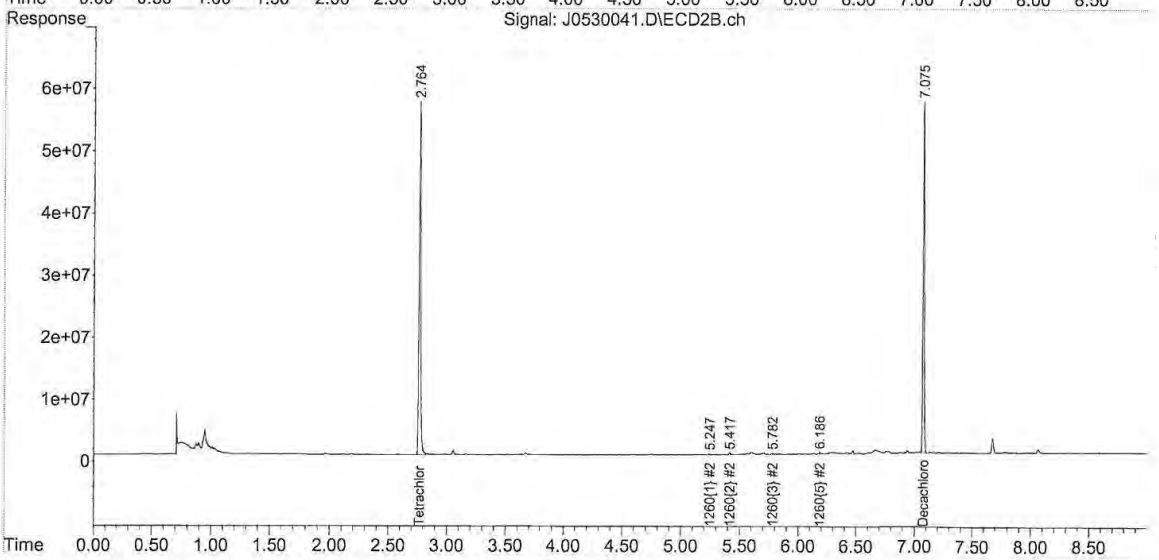
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\053015\
Data File : J0530041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 6:02 pm
Operator : JMB
Sample : 15E0587-02@5X TBA Inst : ECD10
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 31 06:39:16 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-052615.M
Quant Title : 1260/1016 03/25/15 02/25/15 ICAL 1500103
QLast Update : Mon Apr 20 21:34:19 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





10-1260-052615.M Sun May 31 09:34:21 2015

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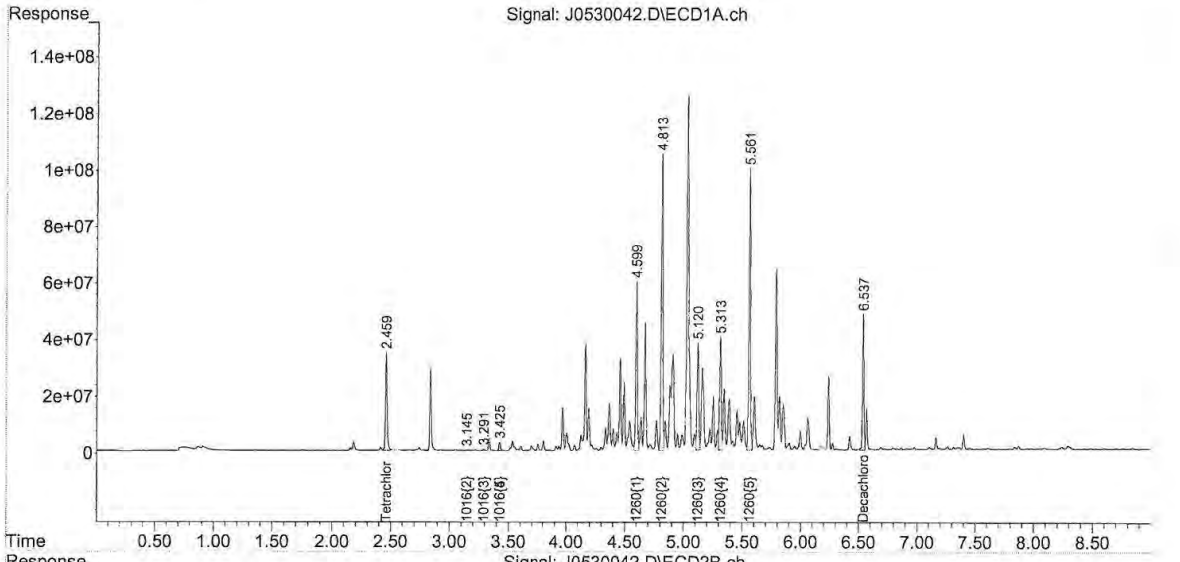
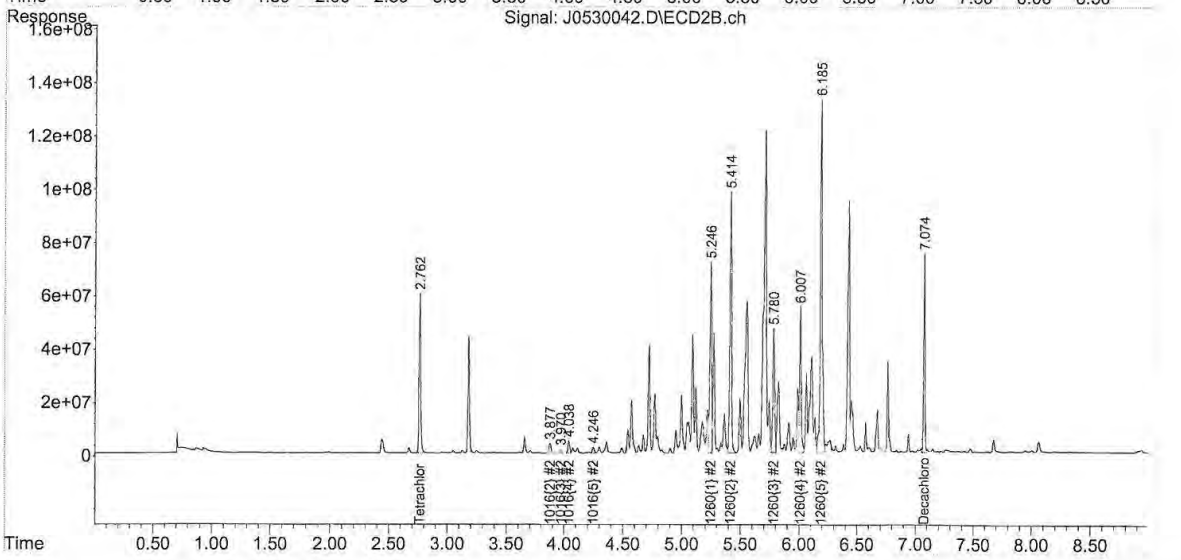
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\053015\
Data File : J0530042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 6:14 pm
Operator : JMB
Sample : 15E0587-06@5X TBA Inst : ECD10
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 31 06:39:19 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-052615.M
Quant Title : 1260/1016 03/25/15 02/25/15 ICAL 1500103
QLast Update : Mon Apr 20 21:34:19 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





10-1260-052615.M Sun May 31 09:34:24 2015

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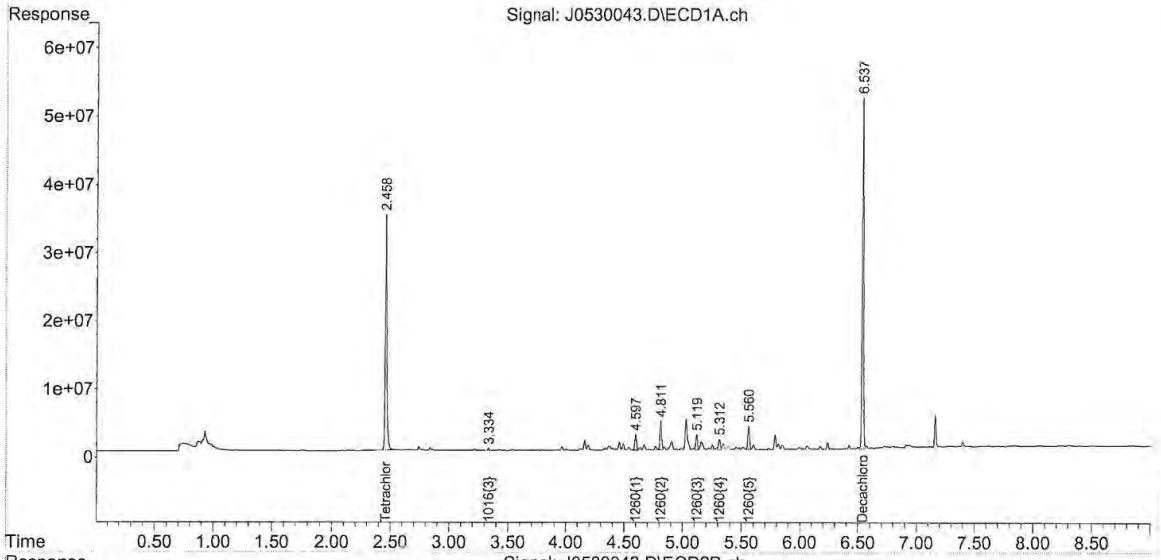
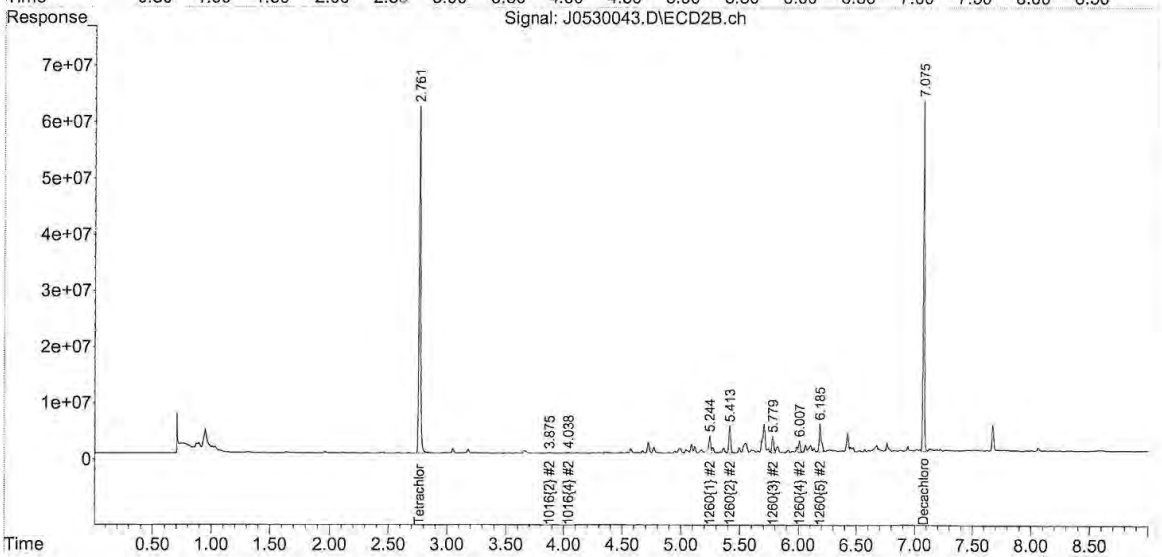
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\053015\
Data File : J0530043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 6:26 pm
Operator : JMB
Sample : 15E0587-07@5X TBA Inst : ECD10
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 31 06:39:23 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-052615.M
Quant Title : 1260/1016 03/25/15 02/25/15 ICAL 1500103
QLast Update : Mon Apr 20 21:34:19 2015
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. :
Signal #1 Phase : Signal #2 Phase:
Signal #1 Info : Signal #2 Info :





10-1260-052615.M Sun May 31 09:34:27 2015

Jim Georgantas

Subject: FW: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Highlighted samples are to be analyzed:

B-143-1 -2 -3 -4
B-148-1 -2 -3 -4
B-149-1, -2 -3 -4
B-150-1, -2 -3 -4
B-151-1 -2 -3 -4
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B-170-1 -2 -3 -4
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Thank you very much

Ken

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Northeast Utilities

Project Location: Berlin Settling Pond (Berlin, CT)

Project Number: 15E0587

Laboratory Sample ID(s):

15E0587-01 thru 15E0587-18

Sample Date(s):

05/13/2015

List RCP Methods Used:

SW-846 8082A

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

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

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

Authorized Signature:  **Position:** **Manager, Laboratory Reporting**

Printed Name: **Johanna K. Harrington** **Date:** **06/03/15**

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

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

June 2, 2015

Chris Soroka
Northeast Utilities
P.O. Box 270
Hartford, CT 06141

Project Location: Berlin Settling Pond (Berlin, CT)
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 15E0589

Enclosed are results of analyses for samples received by the laboratory on May 13, 2015. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



James M. Georgantas
Project Manager

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 6/2/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0589

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B154-5	15E0589-01	Soil		-	
B163-1	15E0589-02	Soil		-	
				SM 2540G	
				SW-846 8082A	
B163-2	15E0589-03	Soil		-	
				SM 2540G	
				SW-846 8082A	
B163-3	15E0589-04	Soil		-	
				SM 2540G	
				SW-846 8082A	
B163-4	15E0589-05	Soil		-	
				SM 2540G	
				SW-846 8082A	
B163-5	15E0589-06	Soil		-	
B168-1	15E0589-07	Soil		-	
				SM 2540G	
				SW-846 8082A	
B168-2	15E0589-08	Soil		-	
				SM 2540G	
				SW-846 8082A	
B168-3	15E0589-09	Soil		-	
				SM 2540G	
				SW-846 8082A	
B168-4	15E0589-10	Soil		-	
				SM 2540G	
				SW-846 8082A	
B168-5	15E0589-11	Soil		-	
B164-1	15E0589-12	Soil		-	
				SM 2540G	
				SW-846 8082A	
B164-2	15E0589-13	Soil		-	
				SM 2540G	
				SW-846 8082A	
B164-3	15E0589-14	Soil		-	
				SM 2540G	
				SW-846 8082A	
B164-4	15E0589-15	Soil		-	
				SM 2540G	
				SW-846 8082A	
B164-5	15E0589-16	Soil		-	
B158-3	15E0589-17	Soil		-	

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

Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 6/2/2015

PURCHASE ORDER NUMBER: 02274021 Reloease 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0589

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

PROJECT LOCATION: Berlin Settling Pond (Berlin, CT)

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
B158-4	15E0589-18	Soil		-	
B158-5	15E0589-19	Soil		-	
B155-3	15E0589-20	Soil		-	

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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 8082A

Qualifications:

MS-07A

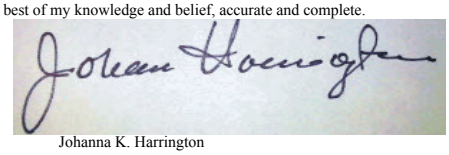
Matrix spike and spike duplicate recovery is outside of control limits. Analysis is in control based on laboratory fortified blank recovery. Possiblity of matrix effects that lead to low bias or non-homogeneous sample aliquot cannot be eliminated.

Analyte & Samples(s) Qualified:

Aroclor-1260
15E0589-02[B163-1], B122579-MS1, B122579-MSD1

Aroclor-1260 [2C]
15E0589-02[B163-1], B122579-MS1, B122579-MSD1

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



Johanna K. Harrington
Manager, Laboratory Reporting

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B163-1 Sampled: 5/13/2015 10:20

Sample ID: 15E0589-02

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/1/15 23:51	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/1/15 23:51	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/1/15 23:51	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/1/15 23:51	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/1/15 23:51	JMB
Aroclor-1254 [1]	0.17	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/1/15 23:51	JMB
Aroclor-1260 [2]	0.85	0.12	mg/Kg dry	5	MS-07A	SW-846 8082A	5/27/15	6/1/15 23:51	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/1/15 23:51	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/1/15 23:51	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	98.9	30-150					6/1/15 23:51
Decachlorobiphenyl [2]	123	30-150					6/1/15 23:51
Tetrachloro-m-xylene [1]	99.1	30-150					6/1/15 23:51
Tetrachloro-m-xylene [2]	87.5	30-150					6/1/15 23:51

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B163-1 Sampled: 5/13/2015 10:20

Sample ID: 15E0589-02

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.4		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B163-2 Sampled: 5/13/2015 10:22

Sample ID: 15E0589-03

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:04	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:04	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:04	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:04	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:04	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:04	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:04	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:04	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:04	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	82.1	30-150				6/2/15 0:04	
Decachlorobiphenyl [2]	87.3	30-150				6/2/15 0:04	
Tetrachloro-m-xylene [1]	87.5	30-150				6/2/15 0:04	
Tetrachloro-m-xylene [2]	78.5	30-150				6/2/15 0:04	

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B163-2 Sampled: 5/13/2015 10:22

Sample ID: 15E0589-03

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.7		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B163-3 Sampled: 5/13/2015 10:24

Sample ID: 15E0589-04

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:17	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:17	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:17	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:17	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:17	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:17	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:17	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:17	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:17	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	80.0	30-150				6/2/15 0:17	
Decachlorobiphenyl [2]	85.6	30-150				6/2/15 0:17	
Tetrachloro-m-xylene [1]	81.2	30-150				6/2/15 0:17	
Tetrachloro-m-xylene [2]	71.6	30-150				6/2/15 0:17	

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B163-3 Sampled: 5/13/2015 10:24

Sample ID: 15E0589-04

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.3		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B163-4 Sampled: 5/13/2015 10:26

Sample ID: 15E0589-05

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:29	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:29	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:29	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:29	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:29	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:29	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:29	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:29	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:29	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	52.8	30-150		6/2/15 0:29
Decachlorobiphenyl [2]	56.4	30-150		6/2/15 0:29
Tetrachloro-m-xylene [1]	60.3	30-150		6/2/15 0:29
Tetrachloro-m-xylene [2]	53.8	30-150		6/2/15 0:29

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B163-4 Sampled: 5/13/2015 10:26

Sample ID: 15E0589-05

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	90.0		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B168-1 Sampled: 5/13/2015 11:00

Sample ID: 15E0589-07

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:42	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:42	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:42	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:42	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:42	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:42	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:42	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:42	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:42	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	57.6	30-150				6/2/15 0:42	
Decachlorobiphenyl [2]	65.6	30-150				6/2/15 0:42	
Tetrachloro-m-xylene [1]	63.7	30-150				6/2/15 0:42	
Tetrachloro-m-xylene [2]	56.4	30-150				6/2/15 0:42	

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B168-1 Sampled: 5/13/2015 11:00

Sample ID: 15E0589-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B168-2 Sampled: 5/13/2015 11:02

Sample ID: 15E0589-08

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:55	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:55	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:55	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:55	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:55	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:55	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:55	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:55	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 0:55	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.6	30-150		6/2/15 0:55
Decachlorobiphenyl [2]	94.9	30-150		6/2/15 0:55
Tetrachloro-m-xylene [1]	96.6	30-150		6/2/15 0:55
Tetrachloro-m-xylene [2]	85.8	30-150		6/2/15 0:55

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B168-2 Sampled: 5/13/2015 11:02

Sample ID: 15E0589-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.7		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B168-3 Sampled: 5/13/2015 11:04

Sample ID: 15E0589-09

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:08	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:08	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:08	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:08	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:08	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:08	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:08	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:08	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:08	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	84.1	30-150				6/2/15 1:08	
Decachlorobiphenyl [2]	89.6	30-150				6/2/15 1:08	
Tetrachloro-m-xylene [1]	92.2	30-150				6/2/15 1:08	
Tetrachloro-m-xylene [2]	82.1	30-150				6/2/15 1:08	

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B168-3 Sampled: 5/13/2015 11:04

Sample ID: 15E0589-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.3		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B168-4 Sampled: 5/13/2015 11:06

Sample ID: 15E0589-10

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:20	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:20	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:20	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:20	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:20	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:20	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:20	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:20	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:20	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	75.5	30-150				6/2/15 1:20	
Decachlorobiphenyl [2]	80.8	30-150				6/2/15 1:20	
Tetrachloro-m-xylene [1]	84.1	30-150				6/2/15 1:20	
Tetrachloro-m-xylene [2]	74.5	30-150				6/2/15 1:20	

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B168-4 Sampled: 5/13/2015 11:06

Sample ID: 15E0589-10

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.7		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B164-1 Sampled: 5/13/2015 11:40

Sample ID: 15E0589-12

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:33	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:33	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:33	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:33	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:33	JMB
Aroclor-1254 [1]	0.20	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:33	JMB
Aroclor-1260 [2]	0.63	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:33	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:33	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:33	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	78.5	30-150				6/2/15 1:33	
Decachlorobiphenyl [2]	103	30-150				6/2/15 1:33	
Tetrachloro-m-xylene [1]	80.5	30-150				6/2/15 1:33	
Tetrachloro-m-xylene [2]	70.8	30-150				6/2/15 1:33	

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B164-1 Sampled: 5/13/2015 11:40

Sample ID: 15E0589-12

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	89.6		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B164-2 Sampled: 5/13/2015 11:42

Sample ID: 15E0589-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:46	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:46	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:46	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:46	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:46	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:46	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:46	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:46	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual					
Decachlorobiphenyl [1]	67.5	30-150					6/2/15 1:46	
Decachlorobiphenyl [2]	71.0	30-150					6/2/15 1:46	
Tetrachloro-m-xylene [1]	78.9	30-150					6/2/15 1:46	
Tetrachloro-m-xylene [2]	70.6	30-150					6/2/15 1:46	

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B164-2 Sampled: 5/13/2015 11:42

Sample ID: 15E0589-13

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.2		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B164-3 Sampled: 5/13/2015 11:44

Sample ID: 15E0589-14

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:59	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:59	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:59	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:59	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:59	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:59	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:59	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:59	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 1:59	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.0	30-150		6/2/15 1:59
Decachlorobiphenyl [2]	76.7	30-150		6/2/15 1:59
Tetrachloro-m-xylene [1]	79.7	30-150		6/2/15 1:59
Tetrachloro-m-xylene [2]	70.7	30-150		6/2/15 1:59

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B164-3 Sampled: 5/13/2015 11:44

Sample ID: 15E0589-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.3		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B164-4 Sampled: 5/13/2015 11:46

Sample ID: 15E0589-15

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 2:12	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 2:12	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 2:12	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 2:12	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 2:12	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 2:12	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 2:12	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 2:12	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	6/2/15 2:12	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.4	30-150		6/2/15 2:12
Decachlorobiphenyl [2]	82.8	30-150		6/2/15 2:12
Tetrachloro-m-xylene [1]	84.2	30-150		6/2/15 2:12
Tetrachloro-m-xylene [2]	74.3	30-150		6/2/15 2:12

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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0589

Date Received: 5/13/2015

Field Sample #: B164-4 Sampled: 5/13/2015 11:46

Sample ID: 15E0589-15

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.5		% Wt	1		SM 2540G	5/26/15	5/27/15 11:35	MRL

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
15E0589-02 [B163-1]	B122557	05/26/15
15E0589-03 [B163-2]	B122557	05/26/15
15E0589-04 [B163-3]	B122557	05/26/15
15E0589-05 [B163-4]	B122557	05/26/15
15E0589-07 [B168-1]	B122557	05/26/15
15E0589-08 [B168-2]	B122557	05/26/15
15E0589-09 [B168-3]	B122557	05/26/15
15E0589-10 [B168-4]	B122557	05/26/15
15E0589-12 [B164-1]	B122557	05/26/15
15E0589-13 [B164-2]	B122557	05/26/15
15E0589-14 [B164-3]	B122557	05/26/15
15E0589-15 [B164-4]	B122557	05/26/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0589-02 [B163-1]	B122579	10.0	10.0	05/27/15
15E0589-03 [B163-2]	B122579	10.1	10.0	05/27/15
15E0589-04 [B163-3]	B122579	10.1	10.0	05/27/15
15E0589-05 [B163-4]	B122579	10.0	10.0	05/27/15
15E0589-07 [B168-1]	B122579	10.0	10.0	05/27/15
15E0589-08 [B168-2]	B122579	10.0	10.0	05/27/15
15E0589-09 [B168-3]	B122579	10.0	10.0	05/27/15
15E0589-10 [B168-4]	B122579	10.0	10.0	05/27/15
15E0589-12 [B164-1]	B122579	10.1	10.0	05/27/15
15E0589-13 [B164-2]	B122579	10.0	10.0	05/27/15
15E0589-14 [B164-3]	B122579	10.0	10.0	05/27/15
15E0589-15 [B164-4]	B122579	10.0	10.0	05/27/15

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B122579 - SW-846 3540C										
Blank (B122579-BLK1)				Prepared: 05/27/15 Analyzed: 06/01/15						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.204*		mg/Kg wet	0.199		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.212*		mg/Kg wet	0.199		107	30-150			
Surrogate: Tetrachloro-m-xylene	*0.207*		mg/Kg wet	0.199		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.187*		mg/Kg wet	0.199		93.9	30-150			
LCS (B122579-BS1)				Prepared: 05/27/15 Analyzed: 06/01/15						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.199		92.6	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.199		80.3	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.199		93.7	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.199		82.7	40-140			
Surrogate: Decachlorobiphenyl	*0.189*		mg/Kg wet	0.199		95.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.199		99.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg wet	0.199		98.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.175*		mg/Kg wet	0.199		88.2	30-150			
LCS Dup (B122579-BSD1)				Prepared: 05/27/15 Analyzed: 06/01/15						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.198		92.1	40-140	0.631	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.198		88.7	40-140	9.80	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.198		93.9	40-140	0.113	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.198		82.7	40-140	0.0944	30	
Surrogate: Decachlorobiphenyl	*0.190*		mg/Kg wet	0.198		95.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.198*		mg/Kg wet	0.198		99.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.197*		mg/Kg wet	0.198		99.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.177*		mg/Kg wet	0.198		89.3	30-150			

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con-test® ANALYTICAL LABORATORY
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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B122579 - SW-846 3540C											
Matrix Spike (B122579-MS1)	**Source: 15E0589-02**			Prepared: 05/27/15 Analyzed: 06/02/15							
Aroclor-1016	0.26	0.12	mg/Kg dry	0.239	ND	110		40-140			
Aroclor-1016 [2C]	0.22	0.12	mg/Kg dry	0.239	ND	94.0		40-140			
Aroclor-1260	0.87	0.12	mg/Kg dry	0.239	0.83	**15.0**	*	40-140			MS-07A
Aroclor-1260 [2C]	0.84	0.12	mg/Kg dry	0.239	0.85	**-4.03**	*	40-140			MS-07A
Surrogate: Decachlorobiphenyl	*0.170*		mg/Kg dry	0.239		70.9		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.184*		mg/Kg dry	0.239		77.0		30-150			
Surrogate: Tetrachloro-m-xylene	*0.206*		mg/Kg dry	0.239		86.3		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.182*		mg/Kg dry	0.239		76.1		30-150			
Matrix Spike Dup (B122579-MSD1)	**Source: 15E0589-02**			Prepared: 05/27/15 Analyzed: 06/02/15							
Aroclor-1016	0.23	0.12	mg/Kg dry	0.240	ND	96.5		40-140	12.9	50	
Aroclor-1016 [2C]	0.17	0.12	mg/Kg dry	0.240	ND	72.2		40-140	26.2	50	
Aroclor-1260	0.73	0.12	mg/Kg dry	0.240	0.83	**-44.5**	*	40-140	17.8	50	MS-07A
Aroclor-1260 [2C]	0.70	0.12	mg/Kg dry	0.240	0.85	**-64.1**	*	40-140	18.7	50	MS-07A
Surrogate: Decachlorobiphenyl	*0.153*		mg/Kg dry	0.240		63.8		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.169*		mg/Kg dry	0.240		70.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.174*		mg/Kg dry	0.240		72.5		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.152*		mg/Kg dry	0.240		63.3		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 B122557 - % Solids										
Duplicate (B122557-DUP5)	**Source: 15E0589-02**			Prepared: 05/26/15 Analyzed: 05/27/15						
% Solids	84.3		% Wt		83.4			1.07	20	
Duplicate (B122557-DUP6)	**Source: 15E0589-03**			Prepared: 05/26/15 Analyzed: 05/27/15						
% Solids	80.7		% Wt		77.7			3.79	20	
Duplicate (B122557-DUP7)	**Source: 15E0589-04**			Prepared: 05/26/15 Analyzed: 05/27/15						
% Solids	86.2		% Wt		86.3			0.116	20	

con-test® ANALYTICAL LABORATORY
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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B163-1

Lab Sample ID: 15E0589-02 Date(s) Analyzed: 06/01/2015 06/01/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.16	5.5
Aroclor-1260	1	0.00	-0.03	0.03	0.83	
	2	0.00	-0.03	0.03	0.85	1.8

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B164-1

Lab Sample ID: 15E0589-12 Date(s) Analyzed: 06/02/2015 06/02/2015

Instrument ID (1): Instrument ID (2):

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.20	
	2	0.00	-0.03	0.03	0.16	21.2
Aroclor-1260	1	0.00	-0.03	0.03	0.62	
	2	0.00	-0.03	0.03	0.63	1.0