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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

Lab Sample ID: B122579-BS1 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-1016	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.16	14
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.16	15

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122579-BSD1 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-1016	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.18	2
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.16	15

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B122579-MS1 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-1016	1	0.00	-0.03	0.03	0.26	
	2	0.00	-0.03	0.03	0.22	18
Aroclor-1260	1	0.00	-0.03	0.03	0.87	
	2	0.00	-0.03	0.03	0.84	4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B122579-MSD1 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-1016	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.17	30
Aroclor-1260	1	0.00	-0.03	0.03	0.73	
	2	0.00	-0.03	0.03	0.70	4

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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-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.

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

CHAIN OF CUSTODY RECORD

15E0589

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	B154-5	5-13-15	1008		S	X	U			✓
02	B163-1		1020							✓
03	B163-2		1022							✓
04	B163-3		1024							✓
05	B163-4		1026							✓
06	B163-5		1028							✓
07	B168-1		1100							✓
08	B168-2		1102							✓
09	B168-3		1104							✓
10	B168-4	↓	1106		↓	↓	↓			✓

ANALYSIS REQUESTED

# of Containers: 1 | 1 | 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 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: 330
Relinquished by: (signature)	5/13/15	Date/Time: 418
Received by: (signature)	5/13/15	Date/Time: 16:15

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
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CHAIN OF CUSTODY RECORD

15E0589

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
11	B168-5	5-13-15	1108		X	S	U			✓			
12	B164-1	↓	1140		↓	↓	↓			✓			
13	B164-2		1142							✓			
14	B164-3		1144							✓			
15	B164-4		1146							✓			
16	B164-5		1148							✓			
17	B158-3		1204							✓			
18	B158-4		1206							✓			
19	B158-5		1208							✓			
20	B155-3	↓	1214		↓	↓	↓			✓			

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)	5/13/15	Date/Time:
Received by: (signature)	5/13/15	Date/Time: 1320
Relinquished by: (signature)	5/13/15	Date/Time: 415
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 # _____

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
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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	7|0
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

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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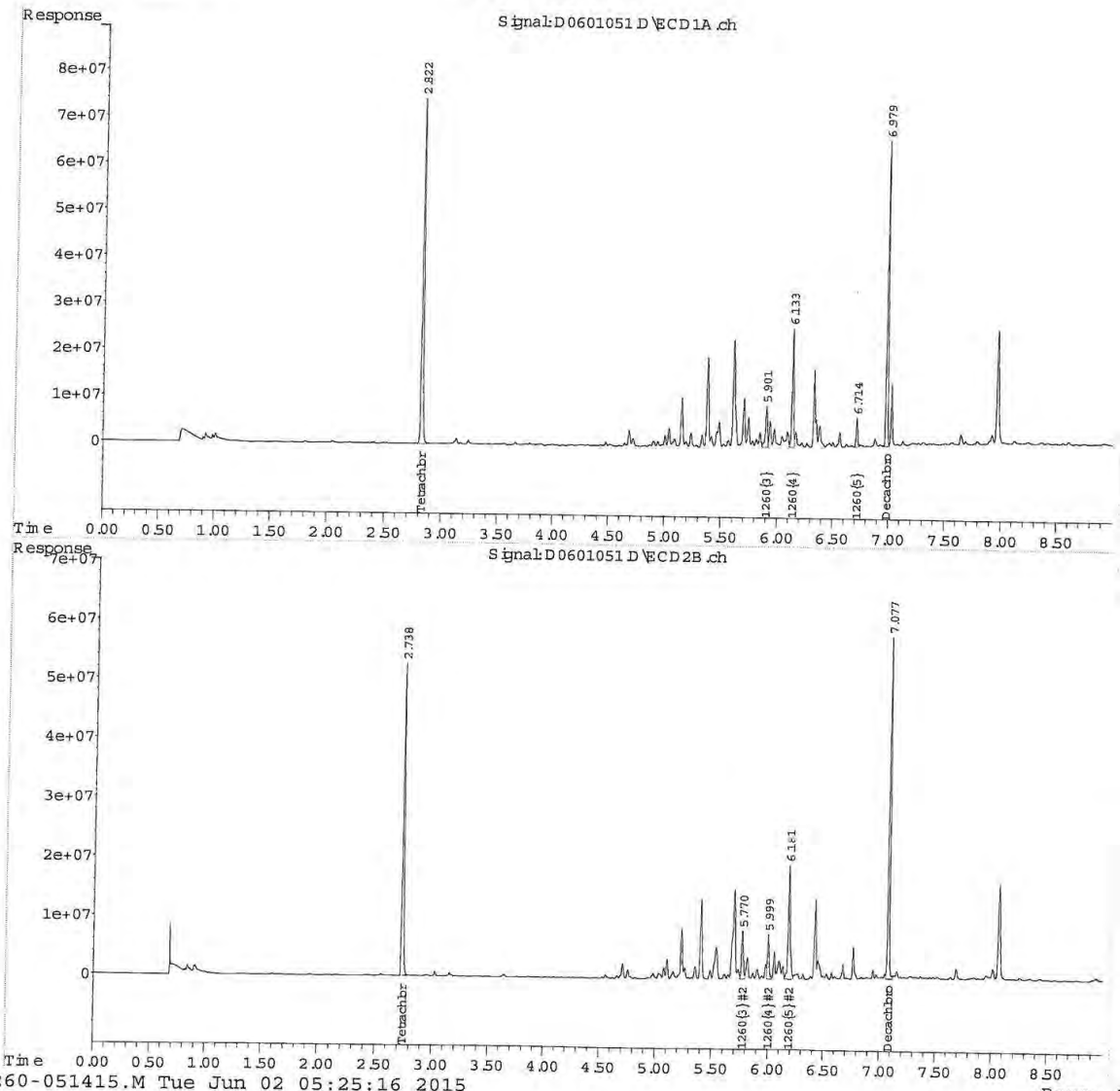
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\060115\
Data File : D0601051.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 1 Jun 2015 11:51 pm
Operator : JMB
Sample : 15E0589-02@5X TBA Inst : ECD 4
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Jun 02 05:19:28 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 :



4-1260-051415.M Tue Jun 02 05:25:16 2015

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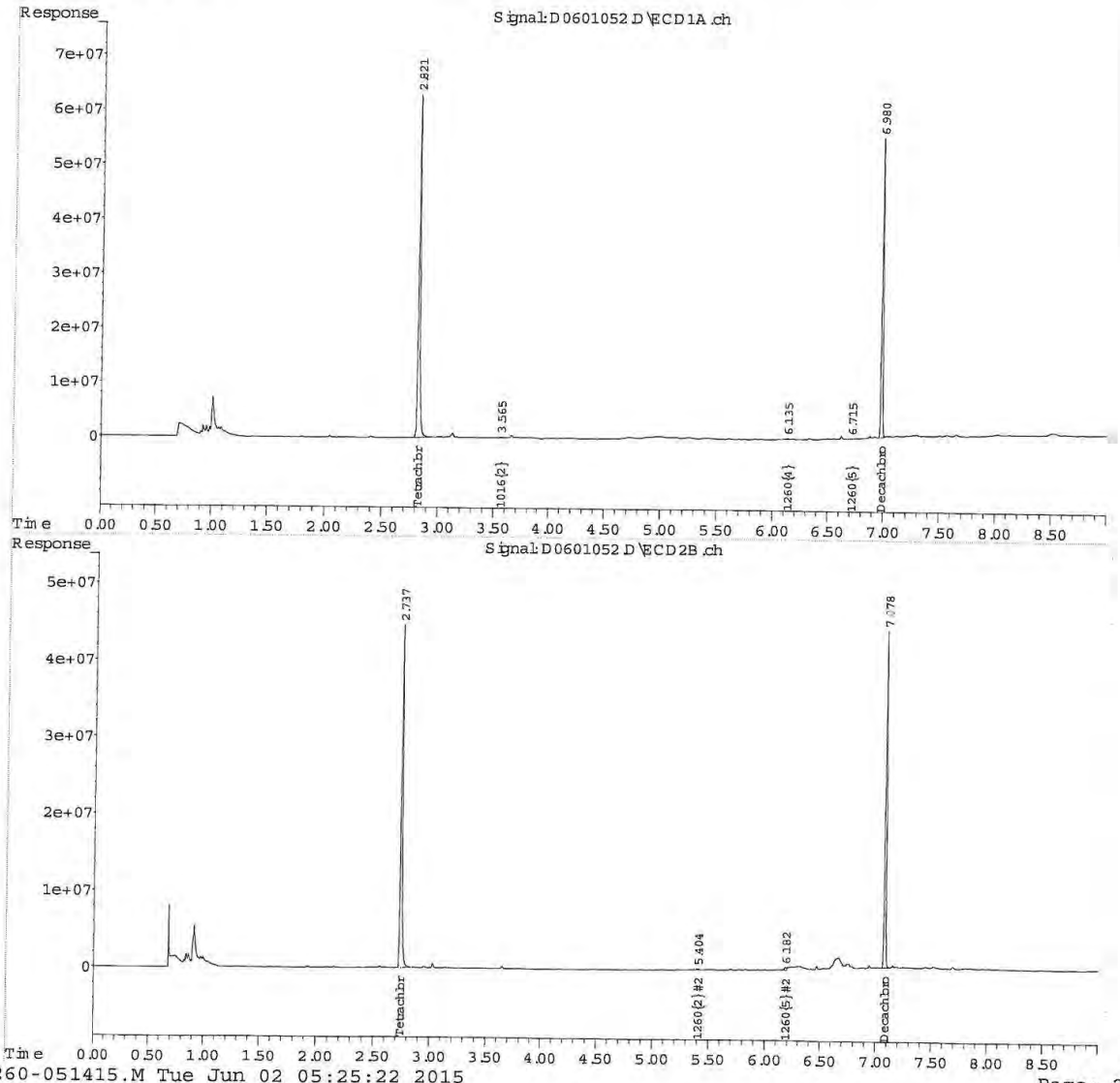
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060115\
Data File : D0601052.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Jun 2015 12:04 am
Operator : JMB
Sample : 15E0589-03@5X TBA Inst : ECD 4
Misc :
ALS Vial : 52 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Jun 02 04:37:15 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 :



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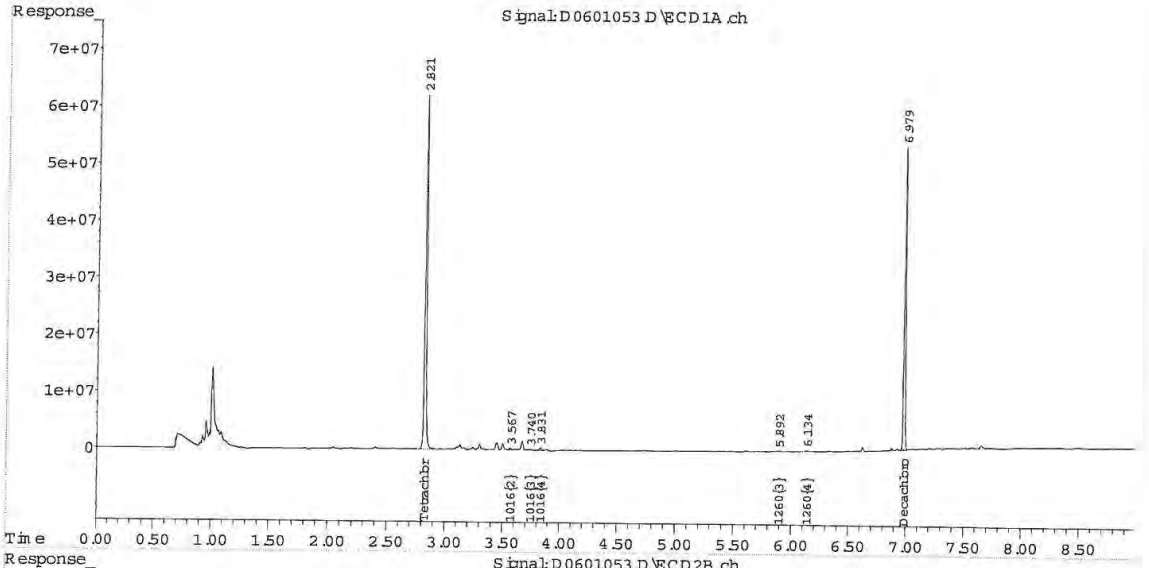
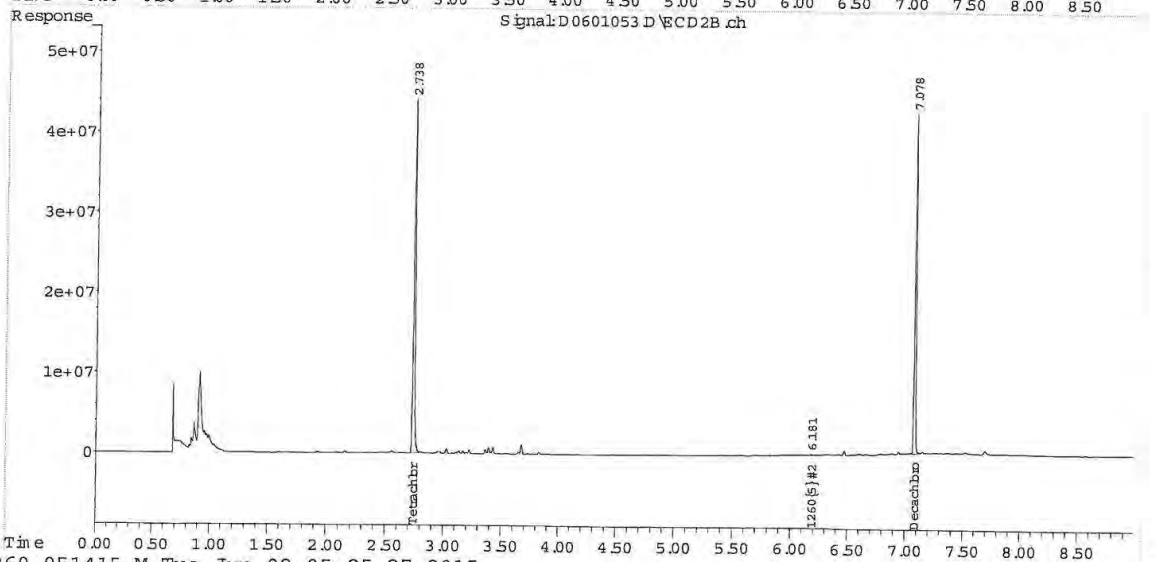
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060115\
Data File : D0601053.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Jun 2015 12:17 am
Operator : JMB
Sample : 15E0589-04@5X TBA Inst : ECD 4
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Jun 02 04:37:22 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 :





4-1260-051415.M Tue Jun 02 05:25:27 2015

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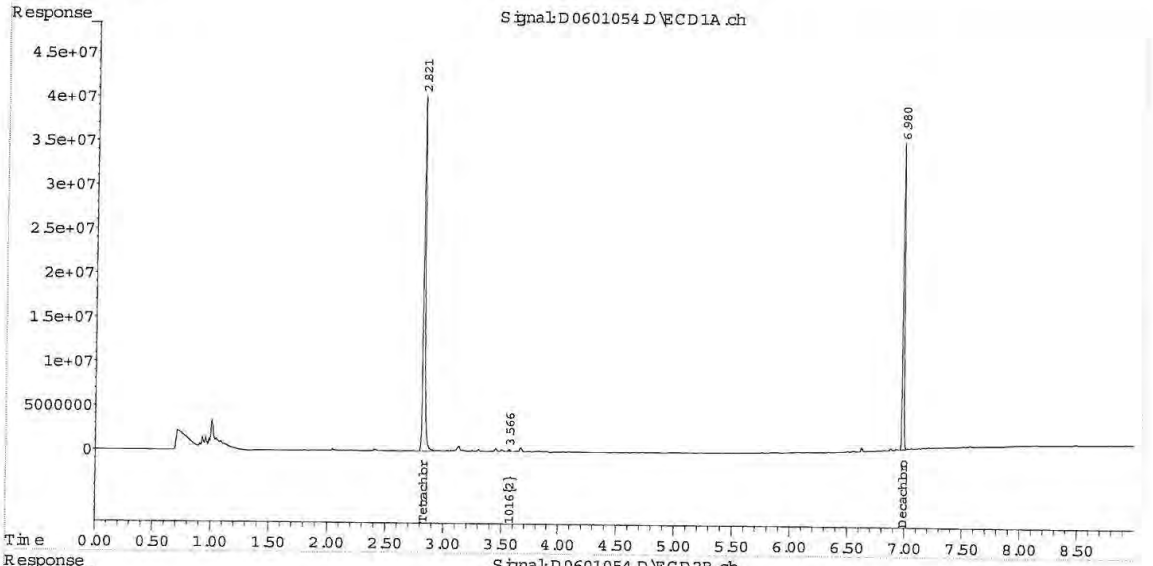
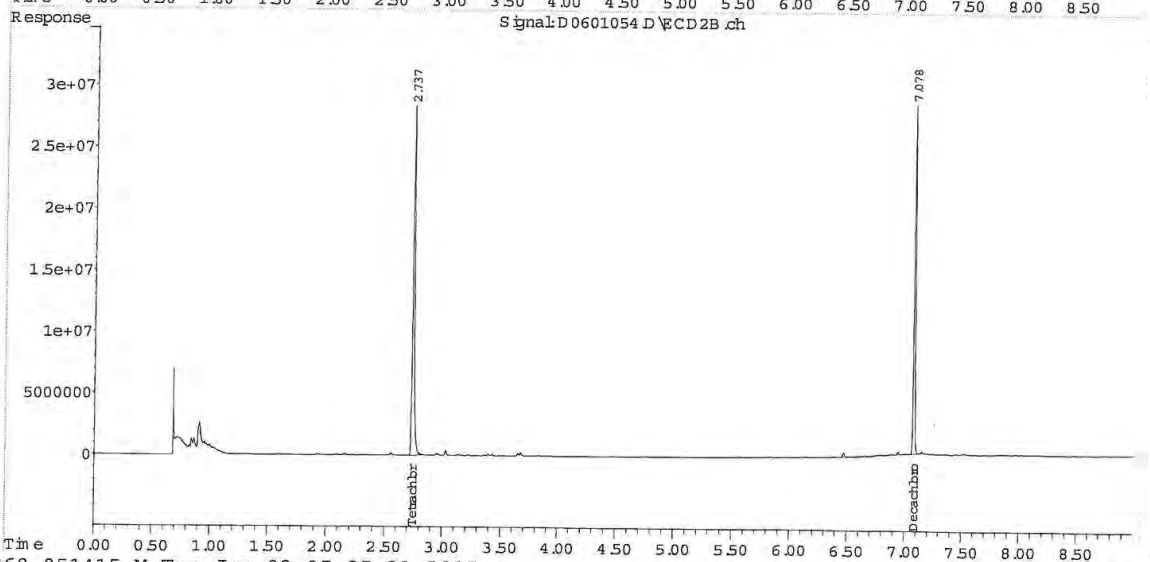
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060115\
Data File : D0601054.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Jun 2015 12:29 am
Operator : JMB
Sample : 15E0589-05@5X TBA Inst : ECD 4
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Jun 02 04:37:29 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 :





4-1260-051415.M Tue Jun 02 05:25:31 2015

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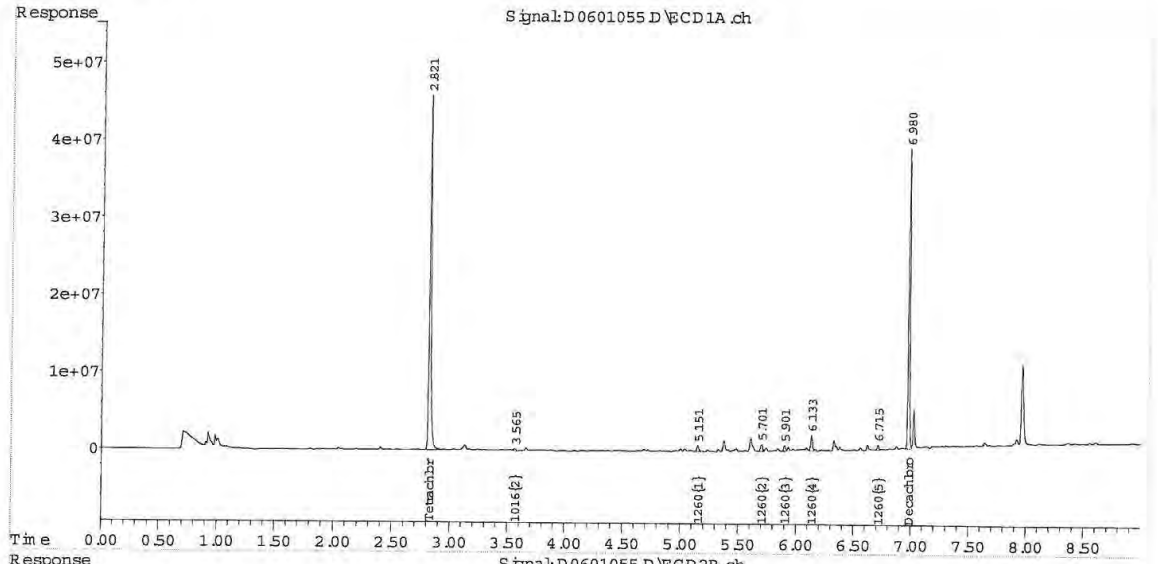
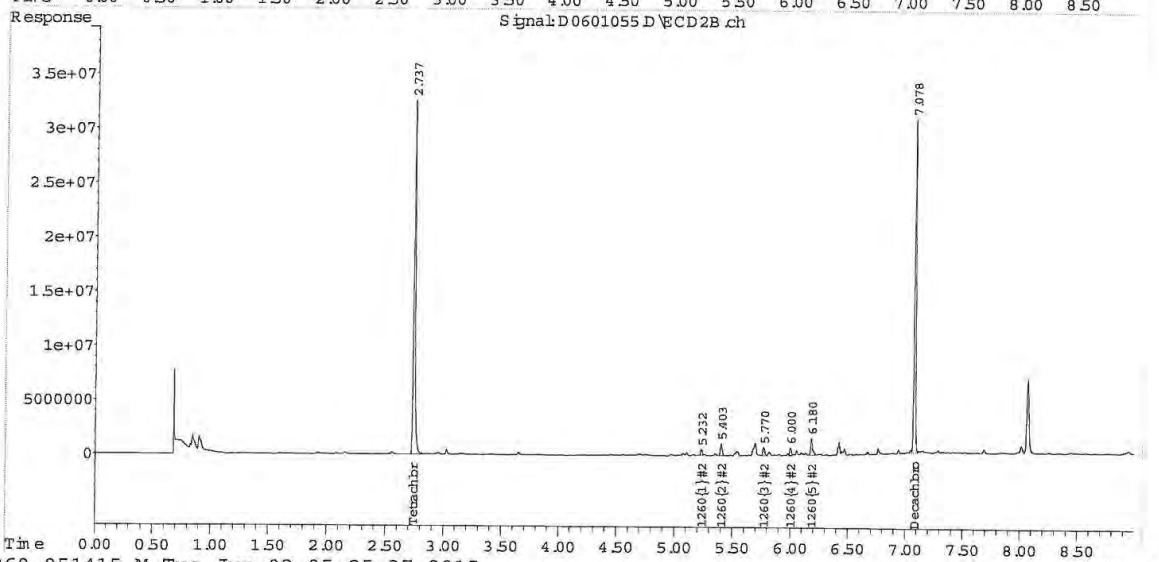
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060115\
Data File : D0601055.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Jun 2015 12:42 am
Operator : JMB
Sample : 15E0589-07@5X TBA Inst : ECD 4
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Jun 02 04:37:36 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 :





4-1260-051415.M Tue Jun 02 05:25:37 2015

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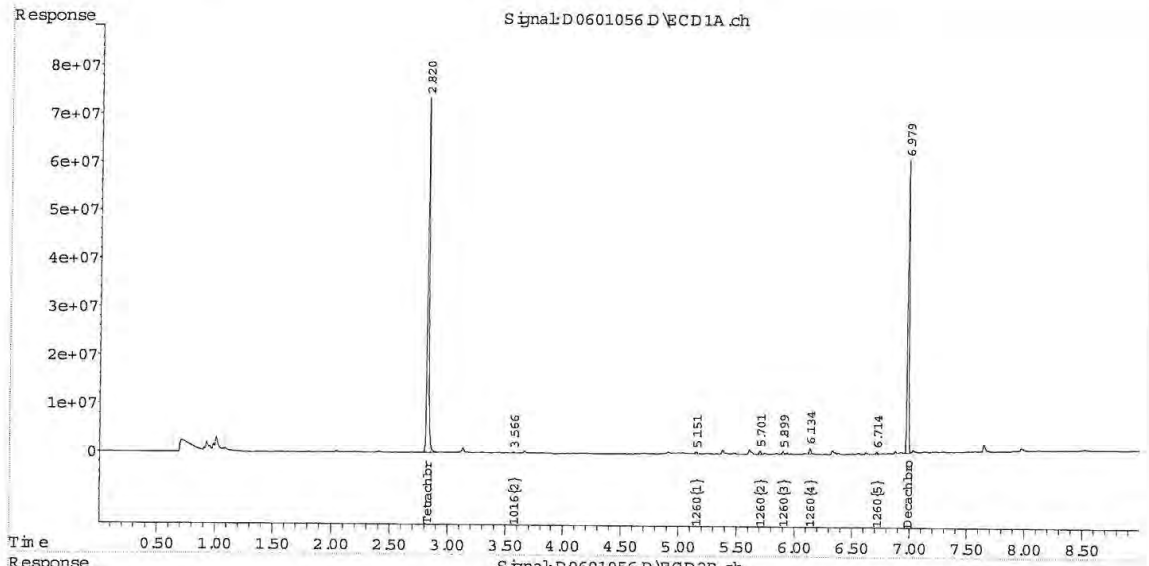
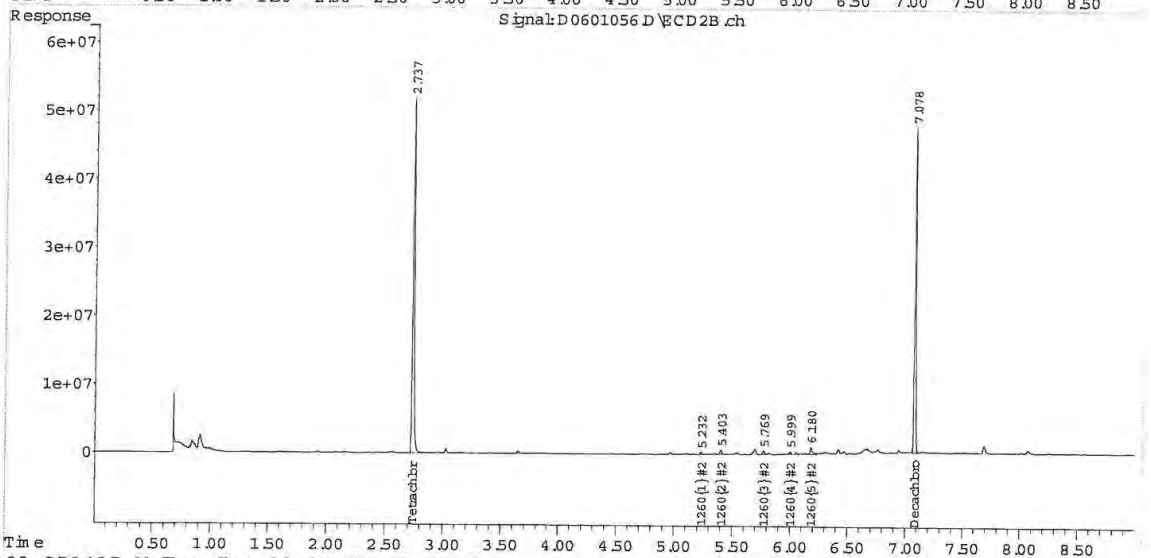
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060115\
Data File : D0601056.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Jun 2015 12:55 am
Operator : JMB
Sample : 15E0589-08@5X TBA Inst : ECD 4
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Jun 02 04:37:43 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 :





4-1260-051415.M Tue Jun 02 05:25:42 2015

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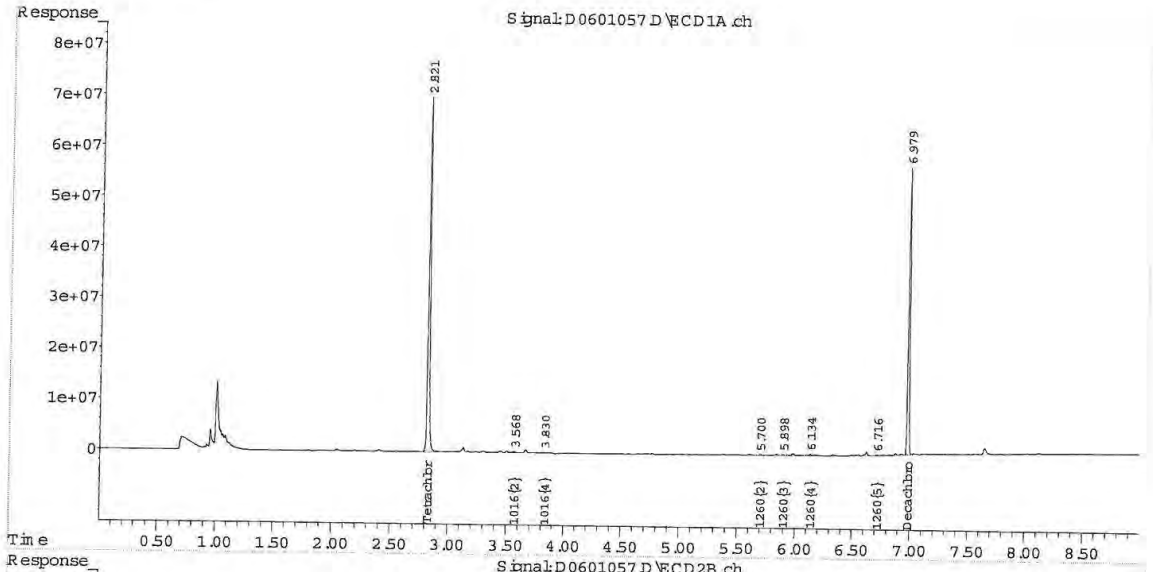
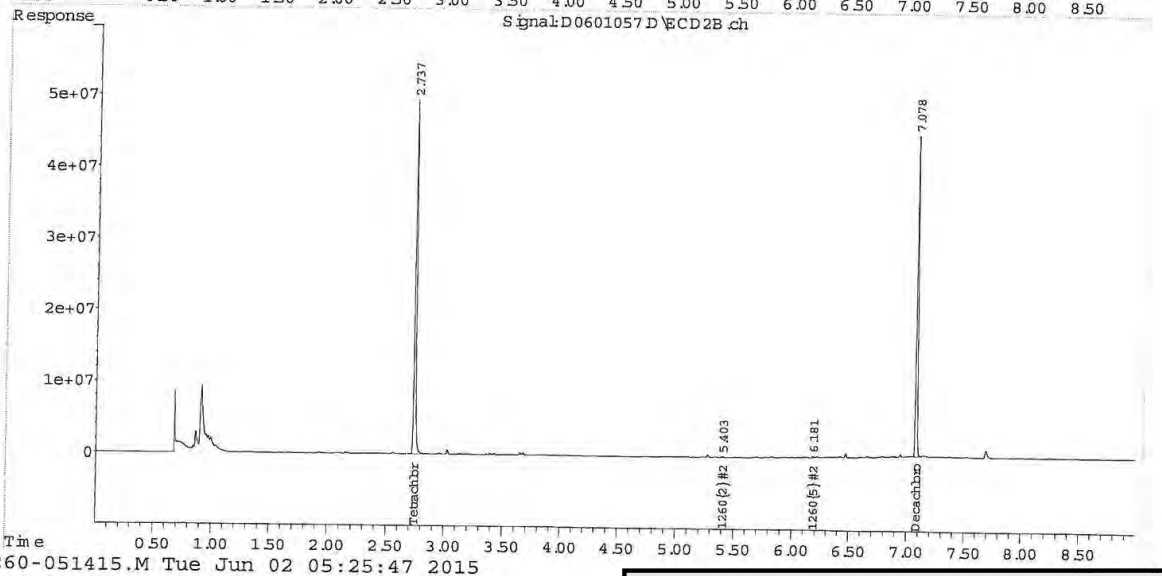
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060115\
Data File : D0601057.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Jun 2015 1:08 am
Operator : JMB
Sample : 15E0589-09@5X TBA Inst : ECD 4
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Jun 02 04:37:50 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 #1 Info :
Signal #2 Phase:
Signal #2 Info :





4-1260-051415.M Tue Jun 02 05:25:47 2015

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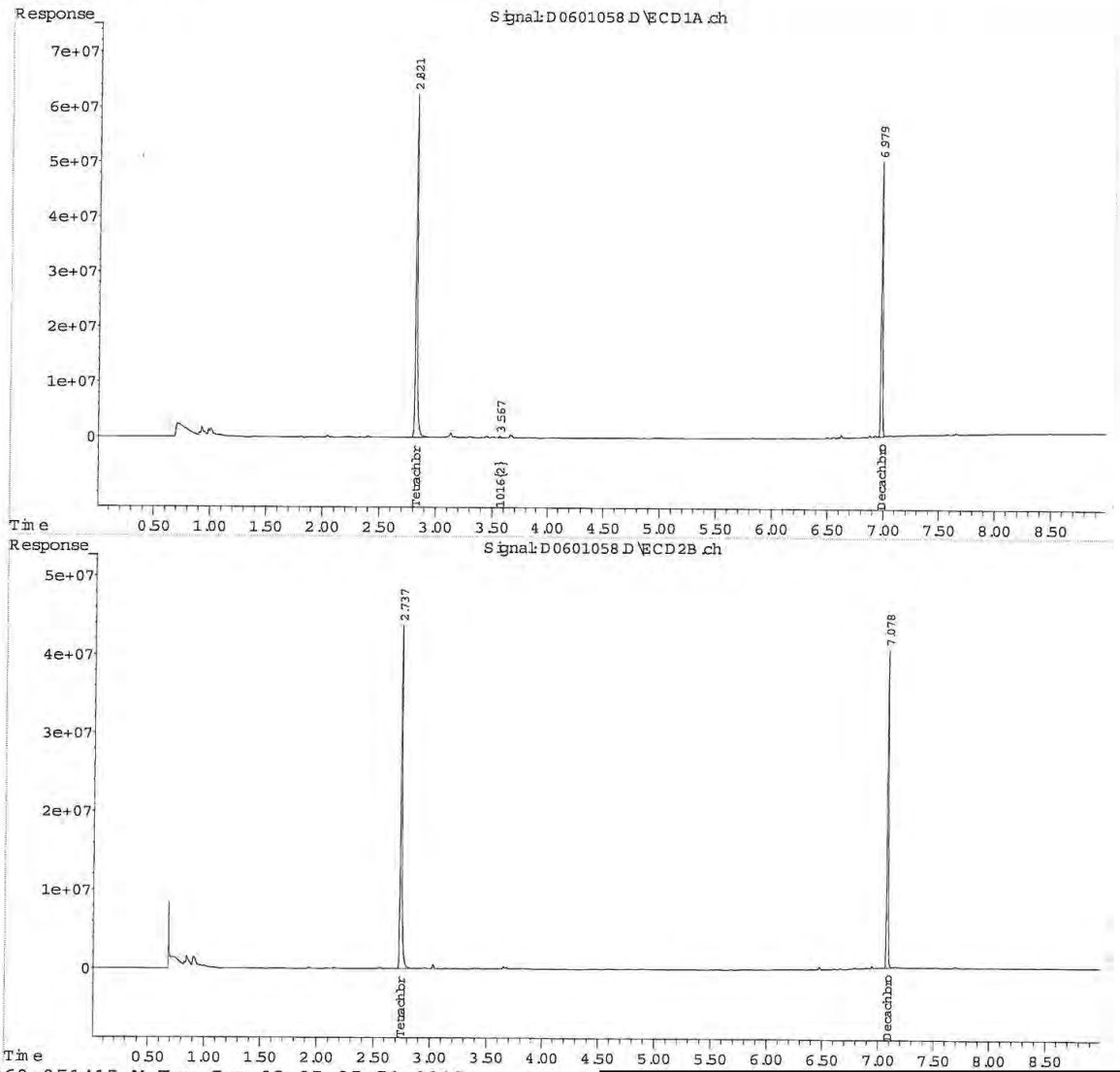
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060115\
Data File : D0601058.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Jun 2015 1:20 am
Operator : JMB
Sample : 15E0589-10@5X TBA Inst : ECD 4
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Jun 02 04:37:57 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 :



4-1260-051415.M Tue Jun 02 05:25:51 2015

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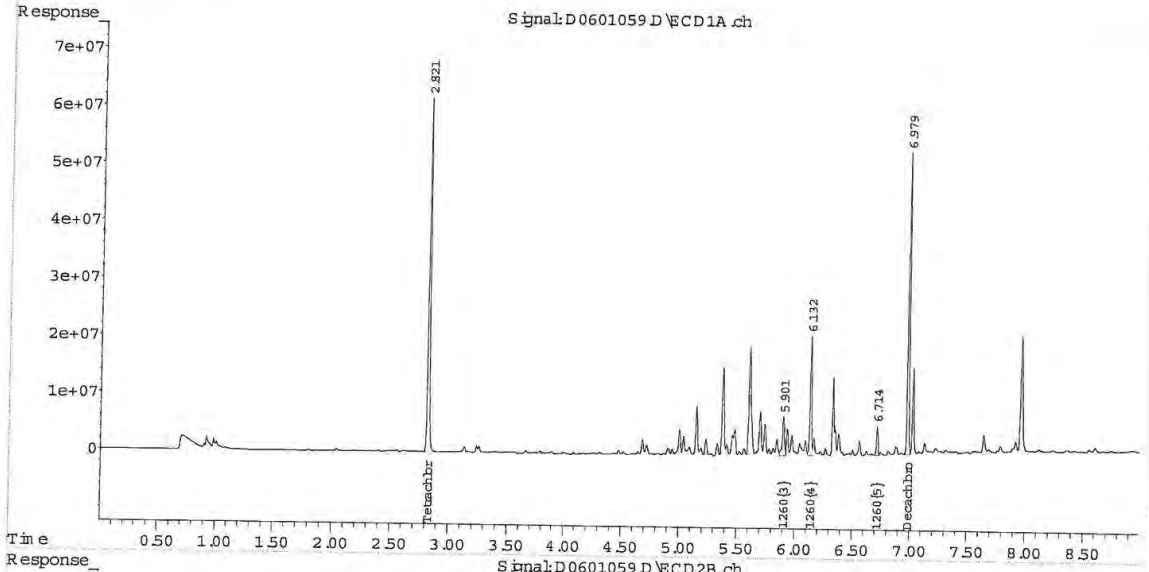
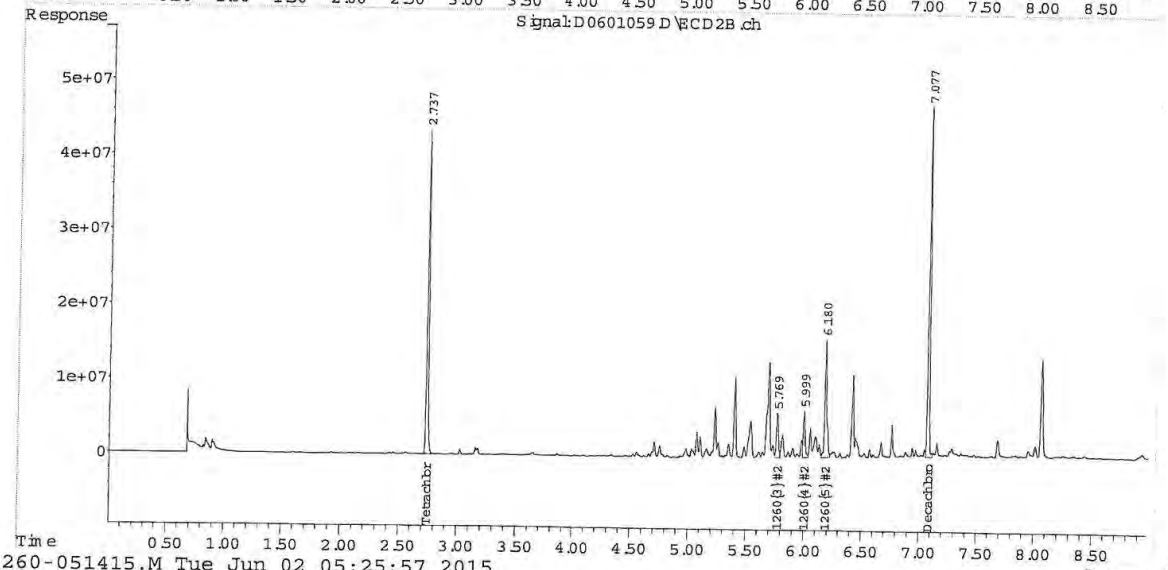
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\060115\
Data File : D0601059.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Jun 2015 1:33 am
Operator : JMB
Sample : 15E0589-12@5X TBA Inst : ECD 4
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Jun 02 05:06:20 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 #1 Info :
Signal #2 Phase:
Signal #2 Info :





4-1260-051415.M Tue Jun 02 05:25:57 2015

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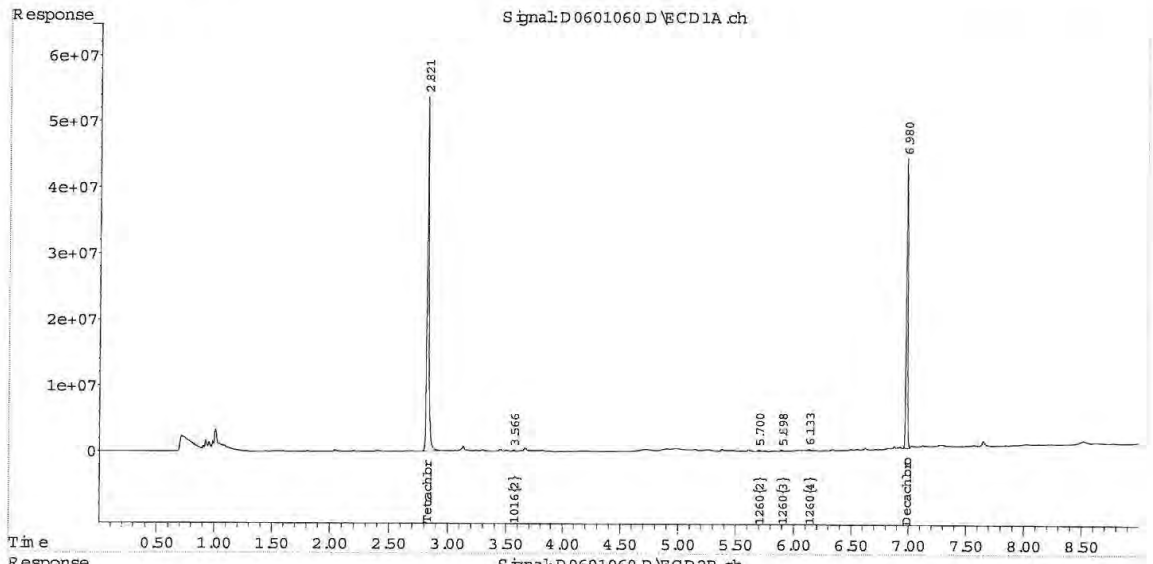
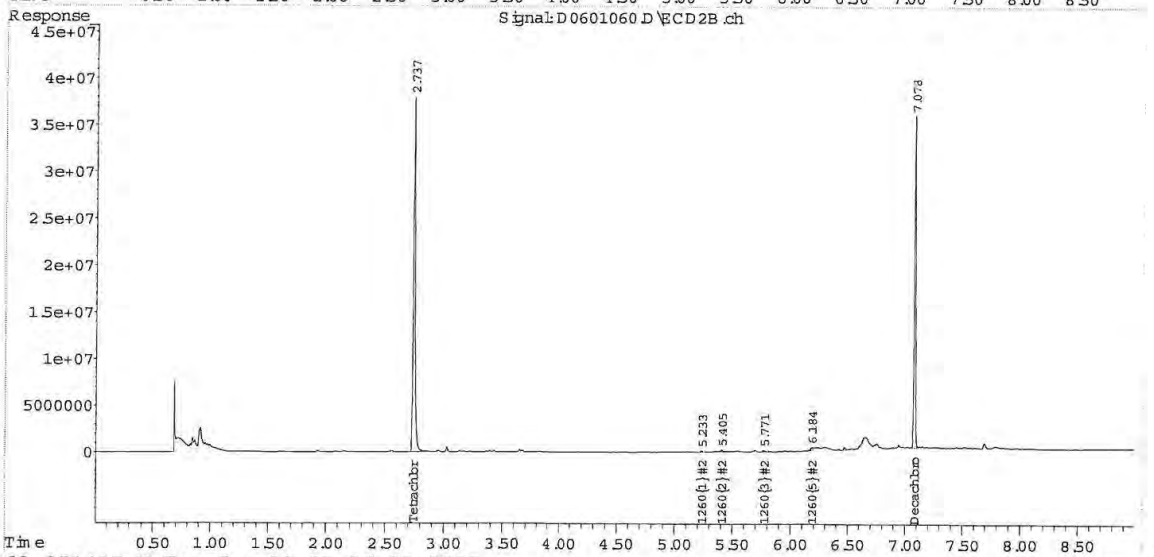
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060115\
Data File : D0601060.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Jun 2015 1:46 am
Operator : JMB
Sample : 15E0589-13@5X TBA Inst : ECD 4
Misc :
ALS Vial : 60 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Jun 02 04:38:10 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 :





4-1260-051415.M Tue Jun 02 05:26:02 2015

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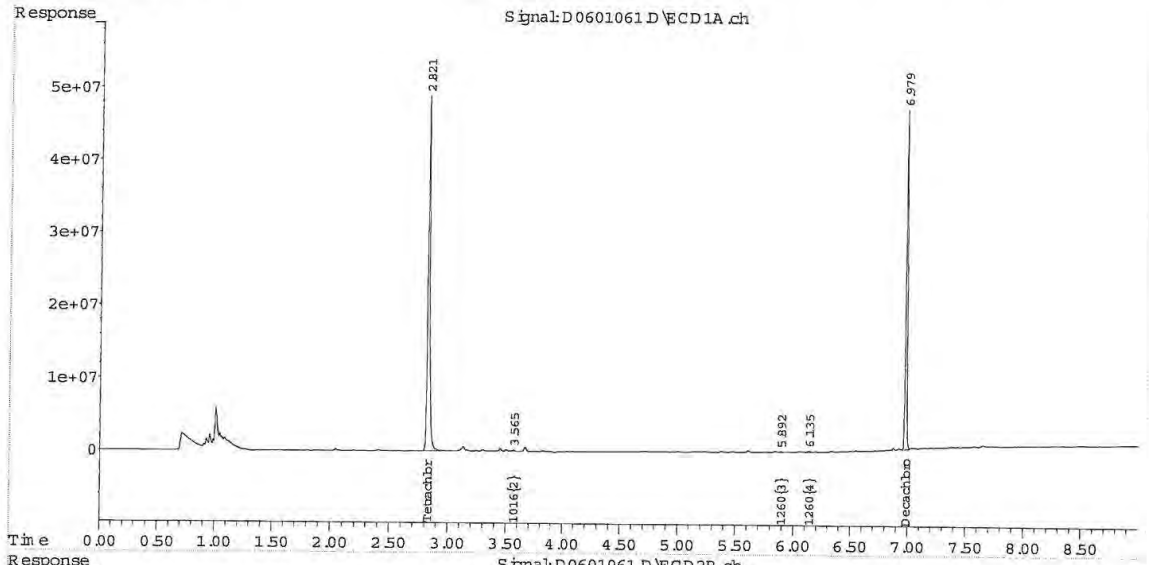
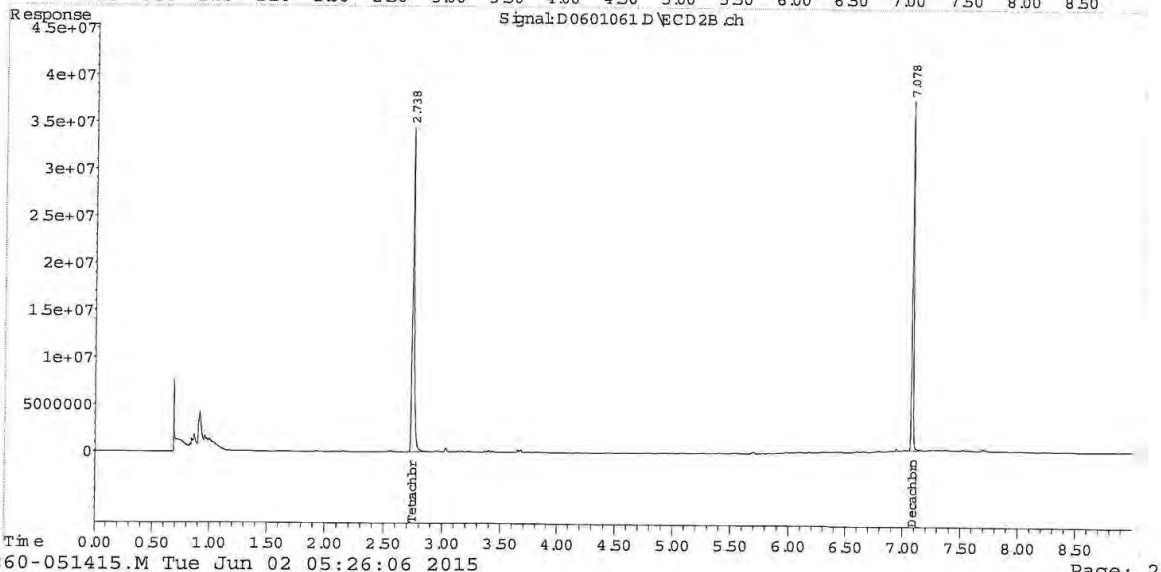
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060115\
Data File : D0601061.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Jun 2015 1:59 am
Operator : JMB
Sample : 15E0589-14@5X TBA Inst : ECD 4
Misc :
ALS Vial : 61 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Jun 02 04:38:17 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 :





4-1260-051415.M Tue Jun 02 05:26:06 2015

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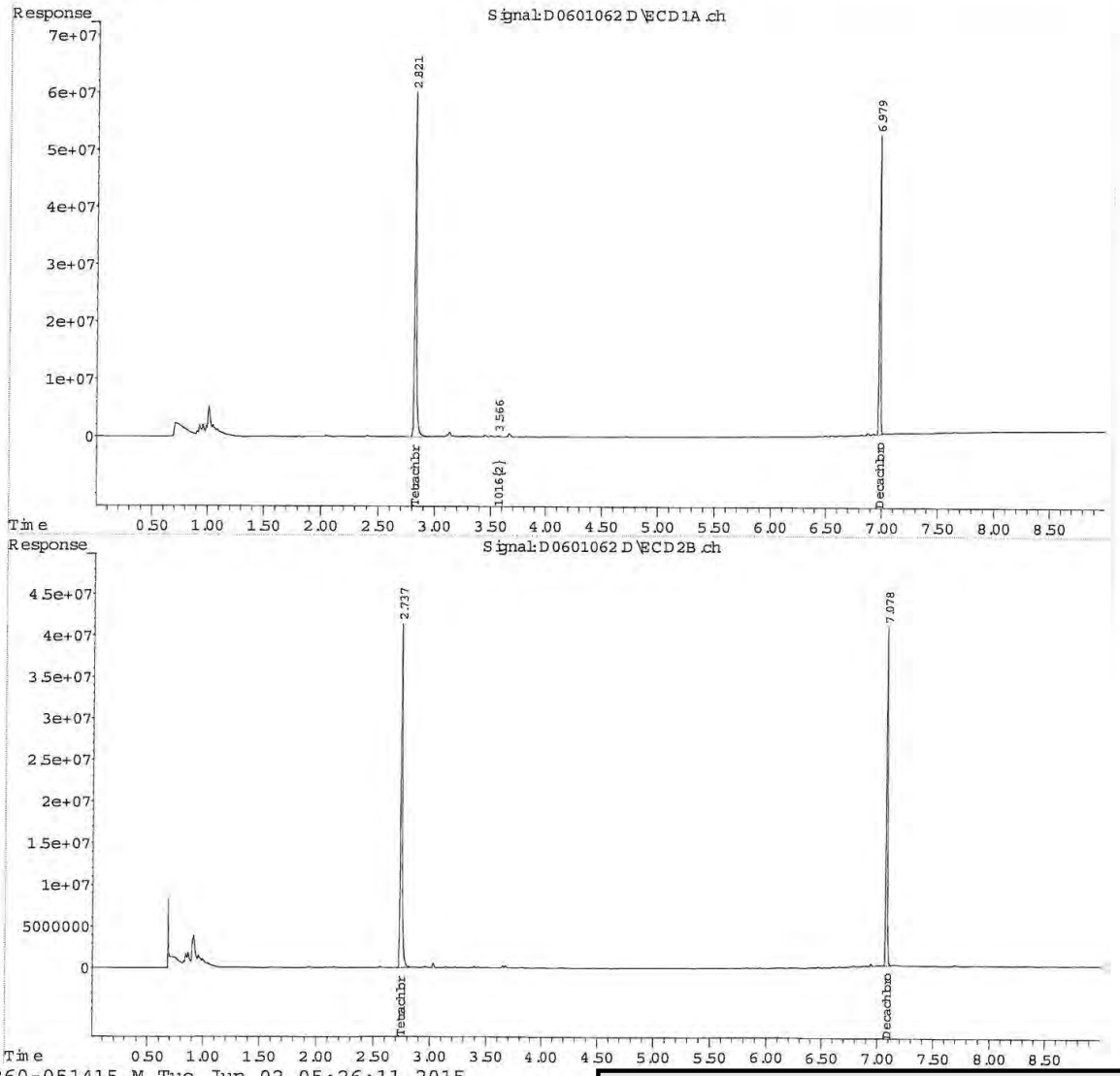
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\060115\
Data File : D0601062.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 2 Jun 2015 2:12 am
Operator : JMB
Sample : 15E0589-15@5X TBA Inst : ECD 4
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: Jun 02 04:38:24 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 :



4-1260-051415.M Tue Jun 02 05:26:11 2015

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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: 15E0589

Laboratory Sample ID(s):

15E0589-01 thru 15E0589-20

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:** **06/02/15**

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: 15E0591

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: 15E0591

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
B156-3	15E0591-03	Soil		SM 2540G	
				SW-846 8082A	
B156-4	15E0591-04	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:

MS-21

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

Analyte & Samples(s) Qualified:

Aroclor-1260
B122261-MS1, B122261-MSD1

Aroclor-1260 [2C]
B122261-MS1, B122261-MSD1

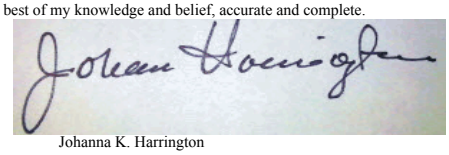
P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]
15E0591-04[B156-4]

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: 15E0591

Date Received: 5/13/2015

Field Sample #: B156-3 Sampled: 5/13/2015 12:44

Sample ID: 15E0591-03

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	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1221 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1232 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1242 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1248 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1254 [2]	1.0	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1260 [2]	2.7	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1262 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1268 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		5/23/15 15:14
Decachlorobiphenyl [2]	125	30-150		5/23/15 15:14
Tetrachloro-m-xylene [1]	94.3	30-150		5/23/15 15:14
Tetrachloro-m-xylene [2]	95.4	30-150		5/23/15 15:14

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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: 15E0591

Date Received: 5/13/2015

Field Sample #: B156-3 Sampled: 5/13/2015 12:44

Sample ID: 15E0591-03

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	85.5		% 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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0591

Date Received: 5/13/2015

Field Sample #: B156-4 Sampled: 5/13/2015 12:46

Sample ID: 15E0591-04

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	5/21/15	5/22/15 19:55	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1248 [2]	1.2	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1254 [2]	0.58	0.11	mg/Kg dry	5	P-01	SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1260 [2]	0.57	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.6	30-150		5/22/15 19:55
Decachlorobiphenyl [2]	125	30-150		5/22/15 19:55
Tetrachloro-m-xylene [1]	80.8	30-150		5/22/15 19:55
Tetrachloro-m-xylene [2]	88.4	30-150		5/22/15 19:55

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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: 15E0591

Date Received: 5/13/2015

Field Sample #: B156-4 Sampled: 5/13/2015 12:46

Sample ID: 15E0591-04

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	86.8		% 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
15E0591-03 [B156-3]	B122223	05/20/15
15E0591-04 [B156-4]	B122223	05/20/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0591-03 [B156-3]	B122261	10.1	10.0	05/21/15
15E0591-04 [B156-4]	B122261	10.1	10.0	05/21/15

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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 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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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											
Matrix Spike (B122261-MS1)	**Source: 15E0591-03**			Prepared: 05/21/15 Analyzed: 05/22/15							
Aroclor-1016	0.26	0.12	mg/Kg dry	0.233	ND	113		40-140			
Aroclor-1016 [2C]	0.29	0.12	mg/Kg dry	0.233	ND	124		40-140			
Aroclor-1260	1.8	0.12	mg/Kg dry	0.233	2.2	**-173**	*	40-140			MS-21
Aroclor-1260 [2C]	2.4	0.12	mg/Kg dry	0.233	2.7	**-115**	*	40-140			MS-21
Surrogate: Decachlorobiphenyl	*0.196*		mg/Kg dry	0.233		84.3		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.267*		mg/Kg dry	0.233		115		30-150			
Surrogate: Tetrachloro-m-xylene	*0.197*		mg/Kg dry	0.233		84.5		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.216*		mg/Kg dry	0.233		92.7		30-150			
Matrix Spike Dup (B122261-MSD1)	**Source: 15E0591-03**			Prepared: 05/21/15 Analyzed: 05/22/15							
Aroclor-1016	0.25	0.12	mg/Kg dry	0.230	ND	109		40-140	4.65	50	
Aroclor-1016 [2C]	0.28	0.12	mg/Kg dry	0.230	ND	121		40-140	3.52	50	
Aroclor-1260	1.8	0.12	mg/Kg dry	0.230	2.2	**-188**	*	40-140	1.77	50	MS-21
Aroclor-1260 [2C]	2.4	0.12	mg/Kg dry	0.230	2.7	**-131**	*	40-140	1.38	50	MS-21
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg dry	0.230		77.7		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.258*		mg/Kg dry	0.230		112		30-150			
Surrogate: Tetrachloro-m-xylene	*0.188*		mg/Kg dry	0.230		81.8		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg dry	0.230		89.5		30-150			

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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 B122223 - % Solids										
Duplicate (B122223-DUP4)	**Source: 15E0591-03**		Prepared: 05/20/15 Analyzed: 05/21/15							
% Solids	85.2		% Wt		85.5			0.351	20	

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

SW-846 8082A

B156-3

Lab Sample ID: 15E0591-03 Date(s) Analyzed: 05/23/2015 05/23/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.98	
	2	0.00	-0.03	0.03	1.0	1.8
Aroclor-1260	1	0.00	-0.03	0.03	2.2	
	2	0.00	-0.03	0.03	2.7	18.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B156-4

Lab Sample ID: 15E0591-04 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-1248	1	0.00	-0.03	0.03	1.0	
	2	0.00	-0.03	0.03	1.2	15.2
Aroclor-1254	1	0.00	-0.03	0.03	0.38	
	2	0.00	-0.03	0.03	0.58	40.4
Aroclor-1260	1	0.00	-0.03	0.03	0.44	
	2	0.00	-0.03	0.03	0.57	26.2

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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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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B122261-MS1 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	0.29	10
Aroclor-1260	1	0.00	-0.03	0.03	1.8	
	2	0.00	-0.03	0.03	2.4	27

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B122261-MSD1 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	0.25	
	2	0.00	-0.03	0.03	0.28	11
Aroclor-1260	1	0.00	-0.03	0.03	1.8	
	2	0.00	-0.03	0.03	2.4	29

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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-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

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con-test® ANALYTICAL LABORATORY
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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®
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Worcester, MA 01608
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39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0591

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	# of Containers	** Preservation	***Container Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples
								1					
								1					
								A					
01	B155-4	5-13-15	1216		X	S	U						✓
02	B155-5		1218										✓
03	B156-3 ☆		1244										✓
04	B156-4 ☆		1246										✓
05	B156-5 ☆☆		1248										✓
06	B159-3		1254										✓
07	B159-4		1256										✓
08	B159-5		1258										✓
09	B165-1		1310										✓
10	B165-2	↓	1312		↓	↓	↓						✓

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: 3:30
Relinquished by: (signature)	5/13/15	Date/Time: 2:19
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 # _____

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

15E0591

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
11	B165-3	5-13-15	1314		X	S	U	1	I	A			✓
12	B165-4		1316										✓
13	B165-5		1318										✓
14	B169-1		1330										✓
15	B169-2		1332										✓
16	B169-3		1334										✓
17	B169-4		1336										✓
18	B169-5		1338										✓
19	B166-1		1350										✓
20	B166-2	↓	1352		↓	↓	↓						✓

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

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

linquished by: (signature) 5/13/15 Date/Time:
ceived by: (signature) 5/13/15 Date/Time: 3:2
linquished by: (signature) 5/13/15 Date/Time: 4:15
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 ?
○ 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

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East Longmeadow, MA. 01028
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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	76
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

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 1015

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

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: 15E0591

Laboratory Sample ID(s):

15E0591-03 thru 15E0591-04

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.

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

June 11, 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: 15E0591

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: 6/11/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0591

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
B156-3	15E0591-03	Soil		SM 2540G	
				SW-846 8082A	
B156-4	15E0591-04	Soil		SM 2540G	
				SW-846 8082A	
B166-1	15E0591-19	Soil		SM 2540G	
				SW-846 8082A	
B166-2	15E0591-20	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.

REVISED REPORT 06/11/15 - Samples 166-1 & 166-2 reported.

SW-846 8082A

Qualifications:

MS-21

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

Analyte & Samples(s) Qualified:

Aroclor-1260
B122261-MS1, B122261-MSD1

Aroclor-1260 [2C]
B122261-MS1, B122261-MSD1

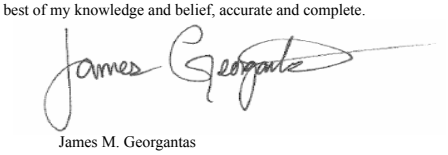
P-01

Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

Analyte & Samples(s) Qualified:

Aroclor-1254 [2C]
15E0591-04[B156-4]

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: 15E0591

Date Received: 5/13/2015

Field Sample #: B156-3 Sampled: 5/13/2015 12:44

Sample ID: 15E0591-03

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	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1221 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1232 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1242 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1248 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1254 [2]	1.0	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1260 [2]	2.7	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1262 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB
Aroclor-1268 [1]	ND	0.58	mg/Kg dry	25		SW-846 8082A	5/21/15	5/23/15 15:14	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		5/23/15 15:14
Decachlorobiphenyl [2]	125	30-150		5/23/15 15:14
Tetrachloro-m-xylene [1]	94.3	30-150		5/23/15 15:14
Tetrachloro-m-xylene [2]	95.4	30-150		5/23/15 15:14

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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: 15E0591

Date Received: 5/13/2015

Field Sample #: B156-3 Sampled: 5/13/2015 12:44

Sample ID: 15E0591-03

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	85.5		% Wt	1		SM 2540G	5/20/15	5/21/15 12:10	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: 15E0591

Date Received: 5/13/2015

Field Sample #: B156-4 Sampled: 5/13/2015 12:46

Sample ID: 15E0591-04

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	5/21/15	5/22/15 19:55	PJG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1248 [2]	1.2	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1254 [2]	0.58	0.11	mg/Kg dry	5	P-01	SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1260 [2]	0.57	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 19:55	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.6	30-150		5/22/15 19:55
Decachlorobiphenyl [2]	125	30-150		5/22/15 19:55
Tetrachloro-m-xylene [1]	80.8	30-150		5/22/15 19:55
Tetrachloro-m-xylene [2]	88.4	30-150		5/22/15 19:55

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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: 15E0591

Date Received: 5/13/2015

Field Sample #: B156-4 Sampled: 5/13/2015 12:46

Sample ID: 15E0591-04

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	86.8		% Wt	1		SM 2540G	5/20/15	5/21/15 12:10	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: 15E0591

Date Received: 5/13/2015

Field Sample #: B166-1 Sampled: 5/13/2015 13:50

Sample ID: 15E0591-19

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	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:24	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:24	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:24	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:24	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:24	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:24	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:24	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:24	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:24	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.2	30-150		5/30/15 17:24
Decachlorobiphenyl [2]	82.8	30-150		5/30/15 17:24
Tetrachloro-m-xylene [1]	81.3	30-150		5/30/15 17:24
Tetrachloro-m-xylene [2]	71.7	30-150		5/30/15 17:24

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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: 15E0591

Date Received: 5/13/2015

Field Sample #: B166-1 Sampled: 5/13/2015 13:50

Sample ID: 15E0591-19

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	75.3		% 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

Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0591

Date Received: 5/13/2015

Field Sample #: B166-2 Sampled: 5/13/2015 13:52

Sample ID: 15E0591-20

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	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:36	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:36	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:36	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:36	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:36	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:36	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:36	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:36	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 17:36	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	93.0	30-150				5/30/15 17:36	
Decachlorobiphenyl [2]	98.9	30-150				5/30/15 17:36	
Tetrachloro-m-xylene [1]	100	30-150				5/30/15 17:36	
Tetrachloro-m-xylene [2]	87.8	30-150				5/30/15 17:36	

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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: 15E0591

Date Received: 5/13/2015

Field Sample #: B166-2 Sampled: 5/13/2015 13:52

Sample ID: 15E0591-20

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	85.4		% 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
15E0591-03 [B156-3]	B122223	05/20/15
15E0591-04 [B156-4]	B122223	05/20/15

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0591-19 [B166-1]	B122557	05/26/15
15E0591-20 [B166-2]	B122557	05/26/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0591-03 [B156-3]	B122261	10.1	10.0	05/21/15
15E0591-04 [B156-4]	B122261	10.1	10.0	05/21/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0591-19 [B166-1]	B122581	10.2	10.0	05/27/15
15E0591-20 [B166-2]	B122581	10.1	10.0	05/27/15

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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 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

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											
Matrix Spike (B122261-MS1)	**Source: 15E0591-03**			Prepared: 05/21/15 Analyzed: 05/22/15							
Aroclor-1016	0.26	0.12	mg/Kg dry	0.233	ND	113		40-140			
Aroclor-1016 [2C]	0.29	0.12	mg/Kg dry	0.233	ND	124		40-140			
Aroclor-1260	1.8	0.12	mg/Kg dry	0.233	2.2	**-173**	*	40-140			MS-21
Aroclor-1260 [2C]	2.4	0.12	mg/Kg dry	0.233	2.7	**-115**	*	40-140			MS-21
Surrogate: Decachlorobiphenyl	*0.196*		mg/Kg dry	0.233		84.3		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.267*		mg/Kg dry	0.233		115		30-150			
Surrogate: Tetrachloro-m-xylene	*0.197*		mg/Kg dry	0.233		84.5		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.216*		mg/Kg dry	0.233		92.7		30-150			
Matrix Spike Dup (B122261-MSD1)	**Source: 15E0591-03**			Prepared: 05/21/15 Analyzed: 05/22/15							
Aroclor-1016	0.25	0.12	mg/Kg dry	0.230	ND	109		40-140	4.65	50	
Aroclor-1016 [2C]	0.28	0.12	mg/Kg dry	0.230	ND	121		40-140	3.52	50	
Aroclor-1260	1.8	0.12	mg/Kg dry	0.230	2.2	**-188**	*	40-140	1.77	50	MS-21
Aroclor-1260 [2C]	2.4	0.12	mg/Kg dry	0.230	2.7	**-131**	*	40-140	1.38	50	MS-21
Surrogate: Decachlorobiphenyl	*0.179*		mg/Kg dry	0.230		77.7		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.258*		mg/Kg dry	0.230		112		30-150			
Surrogate: Tetrachloro-m-xylene	*0.188*		mg/Kg dry	0.230		81.8		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg dry	0.230		89.5		30-150			
Batch B122581 - SW-846 3540C											
Blank (B122581-BLK1)				Prepared: 05/27/15 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	*0.145*		mg/Kg wet	0.198		73.0		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.154*		mg/Kg wet	0.198		77.5		30-150			
Surrogate: Tetrachloro-m-xylene	*0.155*		mg/Kg wet	0.198		78.0		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.138*		mg/Kg wet	0.198		69.4		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 B122581 - SW-846 3540C										
LCS (B122581-BS1)				Prepared: 05/27/15 Analyzed: 05/30/15						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.199		99.4	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg wet	0.199		91.5	40-140			
Aroclor-1260	0.19	0.10	mg/Kg wet	0.199		95.5	40-140			
Aroclor-1260 [2C]	0.18	0.10	mg/Kg wet	0.199		88.8	40-140			
Surrogate: Decachlorobiphenyl	*0.177*		mg/Kg wet	0.199		89.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.200*		mg/Kg wet	0.199		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.185*		mg/Kg wet	0.199		93.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.161*		mg/Kg wet	0.199		81.0	30-150			
LCS Dup (B122581-BSD1)				Prepared: 05/27/15 Analyzed: 05/30/15						
Aroclor-1016	0.16	0.10	mg/Kg wet	0.200		81.8	40-140	19.2	30	
Aroclor-1016 [2C]	0.15	0.10	mg/Kg wet	0.200		74.7	40-140	20.0	30	
Aroclor-1260	0.15	0.10	mg/Kg wet	0.200		77.4	40-140	20.7	30	
Aroclor-1260 [2C]	0.14	0.10	mg/Kg wet	0.200		71.1	40-140	21.9	30	
Surrogate: Decachlorobiphenyl	*0.138*		mg/Kg wet	0.200		69.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.158*		mg/Kg wet	0.200		79.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.157*		mg/Kg wet	0.200		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.137*		mg/Kg wet	0.200		68.7	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-DUP4)	**Source: 15E0591-03**		Prepared: 05/20/15 Analyzed: 05/21/15							
% Solids	85.2		% Wt		85.5			0.351	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B156-3

Lab Sample ID: 15E0591-03 Date(s) Analyzed: 05/23/2015 05/23/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.98	
	2	0.00	-0.03	0.03	1.0	1.8
Aroclor-1260	1	0.00	-0.03	0.03	2.2	
	2	0.00	-0.03	0.03	2.7	18.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B156-4

Lab Sample ID: 15E0591-04 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-1248	1	0.00	-0.03	0.03	1.0	
	2	0.00	-0.03	0.03	1.2	15.2
Aroclor-1254	1	0.00	-0.03	0.03	0.38	
	2	0.00	-0.03	0.03	0.58	40.4
Aroclor-1260	1	0.00	-0.03	0.03	0.44	
	2	0.00	-0.03	0.03	0.57	26.2

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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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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B122261-MS1 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	0.29	10
Aroclor-1260	1	0.00	-0.03	0.03	1.8	
	2	0.00	-0.03	0.03	2.4	27

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B122261-MSD1 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	0.25	
	2	0.00	-0.03	0.03	0.28	11
Aroclor-1260	1	0.00	-0.03	0.03	1.8	
	2	0.00	-0.03	0.03	2.4	29

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122581-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	0.18	10
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.18	5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122581-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	0.16	
	2	0.00	-0.03	0.03	0.15	8
Aroclor-1260	1	0.00	-0.03	0.03	0.15	
	2	0.00	-0.03	0.03	0.14	10

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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-21	Matrix spike and/or spike duplicate recovery bias high due to contribution of other Aroclors present in the source sample.
P-01	Result was confirmed using a dissimilar column. Relative percent difference between the two results was >40%. In accordance with the method, the higher result was reported.

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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	06/9/2017
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
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East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0591

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
								1	1	A			
01	B155-4	5-13-15	1216		X	S	U			✓			
02	B155-5		1218							✓			
03	B156-3 ☆		1244							✓			
04	B156-4 ☆		1246							✓			
05	B156-5 ☆☆		1248							✓			
06	B159-3		1254							✓			
07	B159-4		1256							✓			
08	B159-5		1258							✓			
09	B165-1		1310							✓			
10	B165-2	↓	1312		↓	↓	↓			✓			

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: 3:30
Relinquished by: (signature)	5/13/15	Date/Time: 4:19
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 # _____

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

CHAIN OF CUSTODY RECORD

39 Spruce Street
East longmeadow, MA 01028

15E0591

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 # 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	B165-3	5-13-15	1314		X	S	U			✓
12	B165-4		1316							✓
13	B165-5		1318							✓
14	B169-1		1330							✓
15	B169-2		1332							✓
16	B169-3		1334							✓
17	B169-4		1336							✓
18	B169-5		1338							✓
19	B166-1		1350							✓
20	B166-2	↓	1352		↓	↓	↓			✓

	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 _____

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)	5/13/15	Date/Time:
Received by: (signature)	5/13/15	Date/Time: 3:2[illegible]
Relinquished by: (signature)	5/13/15	Date/Time: 4:15
Received by: (signature)	5/13/15	Date/Time: 16:15

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.

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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	76
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

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 1015

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: 15E0591

Laboratory Sample ID(s):

15E0591-03 thru 15E0591-04

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.

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

June 1, 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: 15E0593

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

REPORT DATE: 6/1/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0593

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
B166-3	15E0593-01	Soil		-	
				SM 2540G	
				SW-846 8082A	
B166-4	15E0593-02	Soil		-	
				SM 2540G	
				SW-846 8082A	
B166-5	15E0593-03	Soil		-	
B160-1	15E0593-04	Soil		-	
				SM 2540G	
				SW-846 8082A	
B160-2	15E0593-05	Soil		-	
				SM 2540G	
				SW-846 8082A	
B160-3	15E0593-06	Soil		-	
				SM 2540G	
				SW-846 8082A	
B160-4	15E0593-07	Soil		-	
				SM 2540G	
				SW-846 8082A	
B160-5	15E0593-08	Soil		-	
B157-1	15E0593-09	Soil		-	
				SM 2540G	
				SW-846 8082A	
B157-2	15E0593-10	Soil		-	
				SM 2540G	
				SW-846 8082A	
B157-3	15E0593-11	Soil		-	
				SM 2540G	
				SW-846 8082A	
B157-4	15E0593-12	Soil		-	
				SM 2540G	
				SW-846 8082A	
B157-5	15E0593-13	Soil		-	
DUP-207	15E0593-14	Soil		-	
DUP-210	15E0593-15	Soil		-	
DUP-211	15E0593-16	Soil		-	

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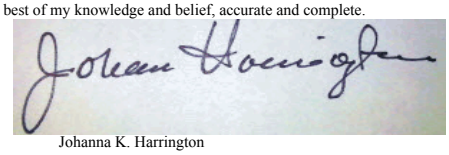
CASE NARRATIVE SUMMARY

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.



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: 15E0593

Date Received: 5/13/2015

Field Sample #: B166-3 Sampled: 5/13/2015 13:54

Sample ID: 15E0593-01

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	5/27/15	5/30/15 18:28	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:28	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:28	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:28	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:28	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:28	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:28	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:28	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:28	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.0	30-150		5/30/15 18:28
Decachlorobiphenyl [2]	76.2	30-150		5/30/15 18:28
Tetrachloro-m-xylene [1]	81.9	30-150		5/30/15 18:28
Tetrachloro-m-xylene [2]	73.0	30-150		5/30/15 18:28

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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: 15E0593

Date Received: 5/13/2015

Field Sample #: B166-3 Sampled: 5/13/2015 13:54

Sample ID: 15E0593-01

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	87.3		% 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: 15E0593

Date Received: 5/13/2015

Field Sample #: B166-4 Sampled: 5/13/2015 13:56

Sample ID: 15E0593-02

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	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:41	JMB
Aroclor-1221 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:41	JMB
Aroclor-1232 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:41	JMB
Aroclor-1242 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:41	JMB
Aroclor-1248 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:41	JMB
Aroclor-1254 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:41	JMB
Aroclor-1260 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:41	JMB
Aroclor-1262 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:41	JMB
Aroclor-1268 [1]	ND	0.13	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	47.8	30-150		5/30/15 18:41
Decachlorobiphenyl [2]	51.6	30-150		5/30/15 18:41
Tetrachloro-m-xylene [1]	57.1	30-150		5/30/15 18:41
Tetrachloro-m-xylene [2]	51.2	30-150		5/30/15 18:41

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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: 15E0593

Date Received: 5/13/2015

Field Sample #: B166-4 Sampled: 5/13/2015 13:56

Sample ID: 15E0593-02

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	75.9		% 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: 15E0593

Date Received: 5/13/2015

Field Sample #: B160-1 Sampled: 5/13/2015 14:00

Sample ID: 15E0593-04

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	5/27/15	5/30/15 18:53	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:53	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:53	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:53	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:53	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:53	JMB
Aroclor-1260 [1]	0.15	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:53	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:53	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 18:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	61.7	30-150		5/30/15 18:53
Decachlorobiphenyl [2]	66.8	30-150		5/30/15 18:53
Tetrachloro-m-xylene [1]	70.2	30-150		5/30/15 18:53
Tetrachloro-m-xylene [2]	62.5	30-150		5/30/15 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: 15E0593

Date Received: 5/13/2015

Field Sample #: B160-1 Sampled: 5/13/2015 14:00

Sample ID: 15E0593-04

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	83.6		% 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: 15E0593

Date Received: 5/13/2015

Field Sample #: B160-2 Sampled: 5/13/2015 14:02

Sample ID: 15E0593-05

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	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:06	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:06	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:06	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:06	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:06	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:06	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:06	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:06	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:06	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.5	30-150		5/30/15 19:06
Decachlorobiphenyl [2]	75.4	30-150		5/30/15 19:06
Tetrachloro-m-xylene [1]	83.4	30-150		5/30/15 19:06
Tetrachloro-m-xylene [2]	74.5	30-150		5/30/15 19:06

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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: 15E0593

Date Received: 5/13/2015

Field Sample #: B160-2 Sampled: 5/13/2015 14:02

Sample ID: 15E0593-05

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	83.2		% 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: 15E0593

Date Received: 5/13/2015

Field Sample #: B160-3 Sampled: 5/13/2015 14:04

Sample ID: 15E0593-06

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	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:19	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:19	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:19	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:19	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:19	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:19	JMB
Aroclor-1260 [2]	0.15	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:19	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:19	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:19	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.3	30-150		5/30/15 19:19
Decachlorobiphenyl [2]	80.9	30-150		5/30/15 19:19
Tetrachloro-m-xylene [1]	84.2	30-150		5/30/15 19:19
Tetrachloro-m-xylene [2]	74.3	30-150		5/30/15 19:19

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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: 15E0593

Date Received: 5/13/2015

Field Sample #: B160-3 Sampled: 5/13/2015 14:04

Sample ID: 15E0593-06

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	86.2		% 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: 15E0593

Date Received: 5/13/2015

Field Sample #: B160-4 Sampled: 5/13/2015 14:06

Sample ID: 15E0593-07

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	5/30/15 19:32	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:32	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:32	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:32	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:32	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:32	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:32	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:32	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:32	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.0	30-150		5/30/15 19:32
Decachlorobiphenyl [2]	77.3	30-150		5/30/15 19:32
Tetrachloro-m-xylene [1]	81.1	30-150		5/30/15 19:32
Tetrachloro-m-xylene [2]	72.7	30-150		5/30/15 19:32

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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: 15E0593

Date Received: 5/13/2015

Field Sample #: B160-4 Sampled: 5/13/2015 14:06

Sample ID: 15E0593-07

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	81.7		% 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: 15E0593

Date Received: 5/13/2015

Field Sample #: B157-1 Sampled: 5/13/2015 14:10

Sample ID: 15E0593-09

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	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:45	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:45	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:45	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:45	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:45	JMB
Aroclor-1254 [2]	0.51	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:45	JMB
Aroclor-1260 [1]	1.2	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:45	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:45	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:45	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.6	30-150		5/30/15 19:45
Decachlorobiphenyl [2]	99.1	30-150		5/30/15 19:45
Tetrachloro-m-xylene [1]	95.3	30-150		5/30/15 19:45
Tetrachloro-m-xylene [2]	84.5	30-150		5/30/15 19:45

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0593

Date Received: 5/13/2015

Field Sample #: B157-1 Sampled: 5/13/2015 14:10

Sample ID: 15E0593-09

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	95.1		% 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: 15E0593

Date Received: 5/13/2015

Field Sample #: B157-2 Sampled: 5/13/2015 14:12

Sample ID: 15E0593-10

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	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:58	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:58	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:58	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:58	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:58	JMB
Aroclor-1254 [1]	0.23	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:58	JMB
Aroclor-1260 [2]	0.18	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:58	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:58	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 19:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	82.0	30-150				5/30/15 19:58	
Decachlorobiphenyl [2]	114	30-150				5/30/15 19:58	
Tetrachloro-m-xylene [1]	91.7	30-150				5/30/15 19:58	
Tetrachloro-m-xylene [2]	80.9	30-150				5/30/15 19:58	

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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: 15E0593

Date Received: 5/13/2015

Field Sample #: B157-2 Sampled: 5/13/2015 14:12

Sample ID: 15E0593-10

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	97.1		% 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: 15E0593

Date Received: 5/13/2015

Field Sample #: B157-3 Sampled: 5/13/2015 14:14

Sample ID: 15E0593-11

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	5/27/15	5/30/15 20:10	JMB
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:10	JMB
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:10	JMB
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:10	JMB
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:10	JMB
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:10	JMB
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:10	JMB
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:10	JMB
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:10	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.9	30-150		5/30/15 20:10
Decachlorobiphenyl [2]	81.6	30-150		5/30/15 20:10
Tetrachloro-m-xylene [1]	89.0	30-150		5/30/15 20:10
Tetrachloro-m-xylene [2]	78.5	30-150		5/30/15 20:10

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0593

Date Received: 5/13/2015

Field Sample #: B157-3 Sampled: 5/13/2015 14:14

Sample ID: 15E0593-11

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	85.6		% 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: 15E0593

Date Received: 5/13/2015

Field Sample #: B157-4 Sampled: 5/13/2015 14:16

Sample ID: 15E0593-12

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	5/30/15 20:23	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:23	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:23	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:23	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:23	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:23	JMB
Aroclor-1260 [2]	0.19	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:23	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:23	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/27/15	5/30/15 20:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	43.7	30-150		5/30/15 20:23
Decachlorobiphenyl [2]	51.0	30-150		5/30/15 20:23
Tetrachloro-m-xylene [1]	59.7	30-150		5/30/15 20:23
Tetrachloro-m-xylene [2]	53.2	30-150		5/30/15 20:23

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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: 15E0593

Date Received: 5/13/2015

Field Sample #: B157-4 Sampled: 5/13/2015 14:16

Sample ID: 15E0593-12

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	87.1		% 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
15E0593-01 [B166-3]	B122557	05/26/15
15E0593-02 [B166-4]	B122557	05/26/15
15E0593-04 [B160-1]	B122557	05/26/15
15E0593-05 [B160-2]	B122557	05/26/15
15E0593-06 [B160-3]	B122557	05/26/15
15E0593-07 [B160-4]	B122557	05/26/15
15E0593-09 [B157-1]	B122557	05/26/15
15E0593-10 [B157-2]	B122557	05/26/15
15E0593-11 [B157-3]	B122557	05/26/15
15E0593-12 [B157-4]	B122557	05/26/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0593-01 [B166-3]	B122581	10.0	10.0	05/27/15
15E0593-02 [B166-4]	B122581	10.1	10.0	05/27/15
15E0593-04 [B160-1]	B122581	10.1	10.0	05/27/15
15E0593-05 [B160-2]	B122581	10.1	10.0	05/27/15
15E0593-06 [B160-3]	B122581	10.1	10.0	05/27/15
15E0593-07 [B160-4]	B122581	10.1	10.0	05/27/15
15E0593-09 [B157-1]	B122581	10.0	10.0	05/27/15
15E0593-10 [B157-2]	B122581	10.2	10.0	05/27/15
15E0593-11 [B157-3]	B122581	10.0	10.0	05/27/15
15E0593-12 [B157-4]	B122581	10.1	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 B122581 - SW-846 3540C										
Blank (B122581-BLK1)				Prepared: 05/27/15 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	*0.145*		mg/Kg wet	0.198		73.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.154*		mg/Kg wet	0.198		77.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.155*		mg/Kg wet	0.198		78.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.138*		mg/Kg wet	0.198		69.4	30-150			
LCS (B122581-BS1)				Prepared: 05/27/15 Analyzed: 05/30/15						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.199		99.4	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg wet	0.199		91.5	40-140			
Aroclor-1260	0.19	0.10	mg/Kg wet	0.199		95.5	40-140			
Aroclor-1260 [2C]	0.18	0.10	mg/Kg wet	0.199		88.8	40-140			
Surrogate: Decachlorobiphenyl	*0.177*		mg/Kg wet	0.199		89.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.200*		mg/Kg wet	0.199		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.185*		mg/Kg wet	0.199		93.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.161*		mg/Kg wet	0.199		81.0	30-150			
LCS Dup (B122581-BSD1)				Prepared: 05/27/15 Analyzed: 05/30/15						
Aroclor-1016	0.16	0.10	mg/Kg wet	0.200		81.8	40-140	19.2	30	
Aroclor-1016 [2C]	0.15	0.10	mg/Kg wet	0.200		74.7	40-140	20.0	30	
Aroclor-1260	0.15	0.10	mg/Kg wet	0.200		77.4	40-140	20.7	30	
Aroclor-1260 [2C]	0.14	0.10	mg/Kg wet	0.200		71.1	40-140	21.9	30	
Surrogate: Decachlorobiphenyl	*0.138*		mg/Kg wet	0.200		69.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.158*		mg/Kg wet	0.200		79.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.157*		mg/Kg wet	0.200		78.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.137*		mg/Kg wet	0.200		68.7	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

B160-1

Lab Sample ID: 15E0593-04 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	0.15	
	2	0.00	-0.03	0.03	0.13	16.3

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

SW-846 8082A

B160-3

Lab Sample ID: 15E0593-06 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	0.14	
	2	0.00	-0.03	0.03	0.15	4.8

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

SW-846 8082A

B157-1

Lab Sample ID: 15E0593-09 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	0.49	
	2	0.00	-0.03	0.03	0.51	3.6
Aroclor-1260	1	0.00	-0.03	0.03	1.2	
	2	0.00	-0.03	0.03	1.2	3.4

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

SW-846 8082A

B157-2

Lab Sample ID: 15E0593-10 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-1254	1	0.00	-0.03	0.03	0.23	
	2	0.00	-0.03	0.03	0.19	20.8
Aroclor-1260	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.18	8.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B157-4

Lab Sample ID: 15E0593-12 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	0.18	
	2	0.00	-0.03	0.03	0.19	4.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122581-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	0.18	10
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.18	5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122581-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	0.16	
	2	0.00	-0.03	0.03	0.15	8
Aroclor-1260	1	0.00	-0.03	0.03	0.15	
	2	0.00	-0.03	0.03	0.14	10

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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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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

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

15E0593

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	B166-3	5/13/15	1354		X	S	U			✓	1	I	A
02	B166-4		1356							✓			
03	B166-5		1358							✓			
04	B160-1		1400							✓			
05	B160-2		1402							✓			
06	B160-3		1404							✓			
07	B160-4		1406							✓			
08	B160-5		1408							✓			
09	B157-1		1416							✓			
10	B157-2	↓	1417		↓	↓	↓			✓			

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. and 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:
Relinquished by: (signature)	5/13/15	Date/Time: 1415
Received by: (signature) Rebecca Faust	5/13/15	Date/Time: 1915

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 3120 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
39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

1SE0593

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	B157-3	5/13/15	1414		X	S	U			✓	1	I	A
12	B157-4		1416							✓			
13	B157-5		1418							✓			
14	Dup-207		-							✓			
15	Dup-210		-							✓			
16	Dup-211	↓	-		↓	↓	↓			✓			

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: 330
Relinquished by: (signature)	5/13/15	Date/Time: 418
Received by: (signature)	4.3°C 5/13/15	Date/Time: 11615

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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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	10
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:** RLF **Date/Time:** 5/13/15 1015

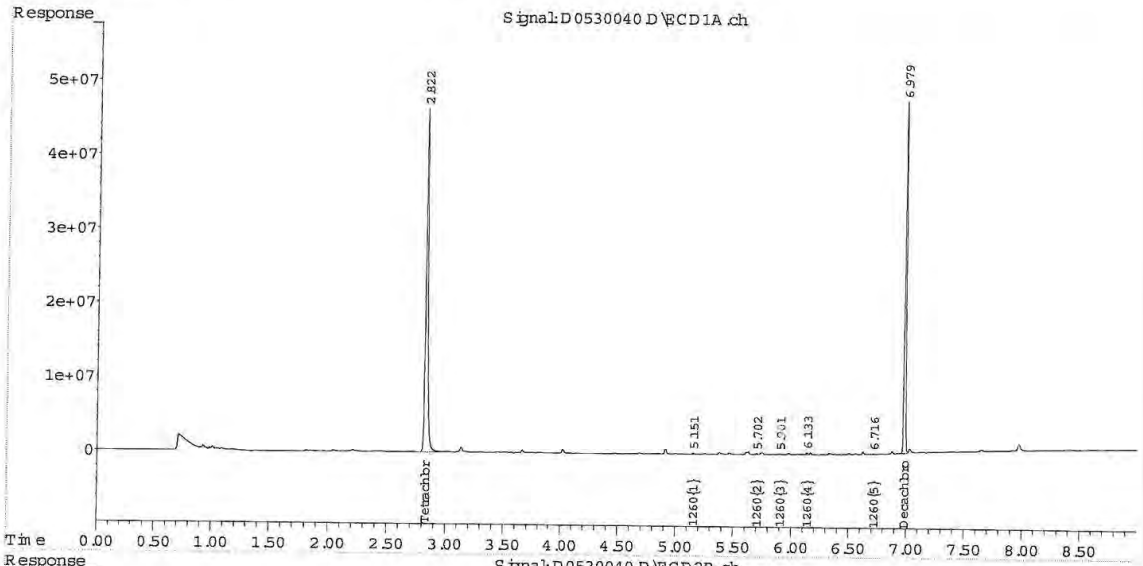
Table of Contents

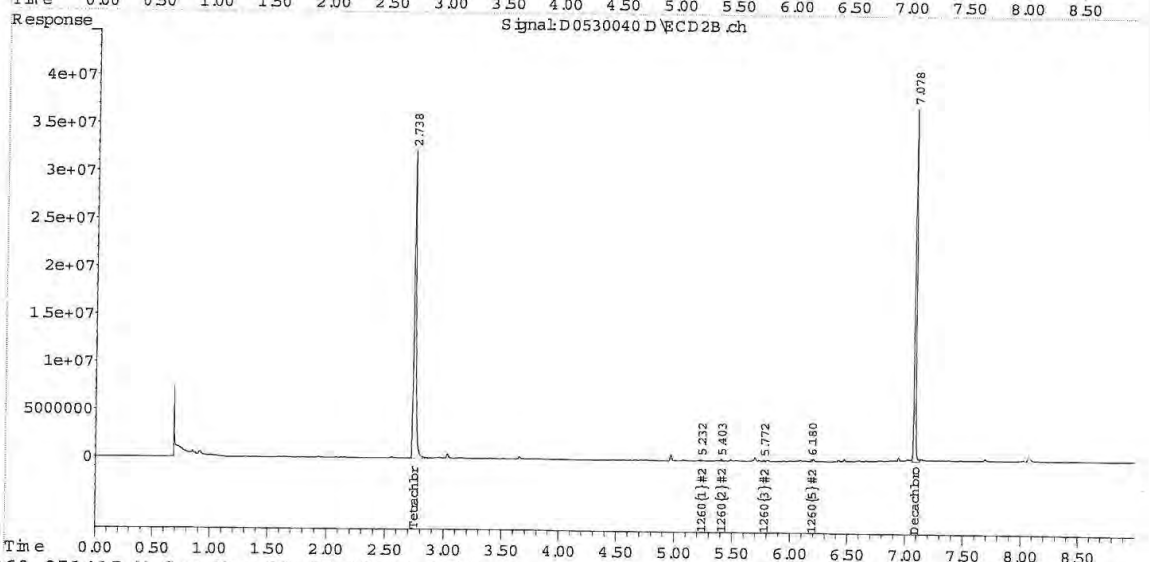
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\053015\
Data File : D0530040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 6:28 pm
Operator : JMB
Sample : 15E0593-01@5X Inst : ECD 4
Misc :
ALS Vial : 40 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: May 31 11:15:42 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 :





4-1260-051415.M Sun May 31 12:43:11 2015

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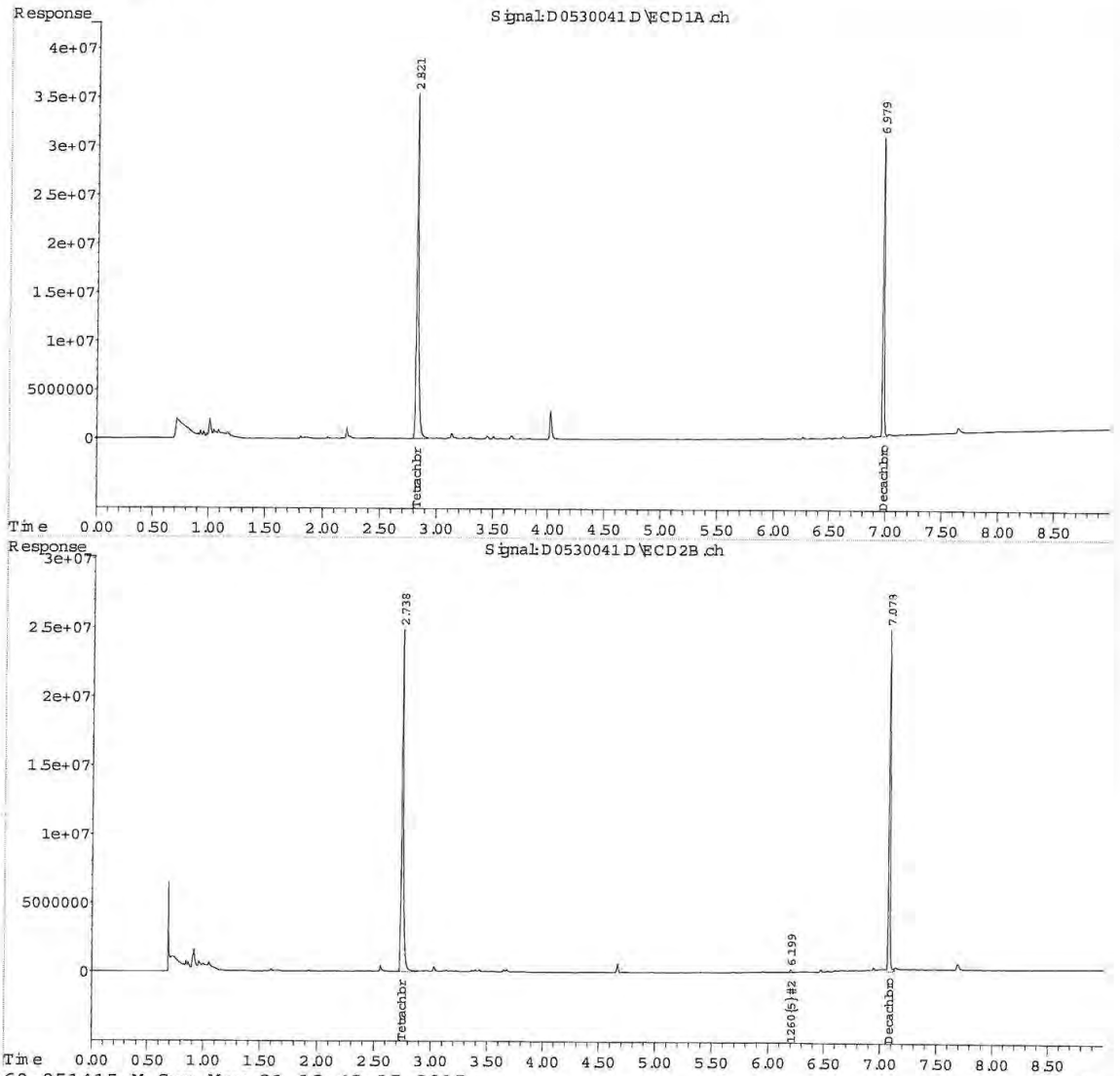
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\053015\
Data File : D0530041.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 6:41 pm
Operator : JMB
Sample : 15E0593-02@5X Inst : ECD 4
Misc :
ALS Vial : 41 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: May 31 11:15:49 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 :



4-1260-051415.M Sun May 31 12:43:15 2015

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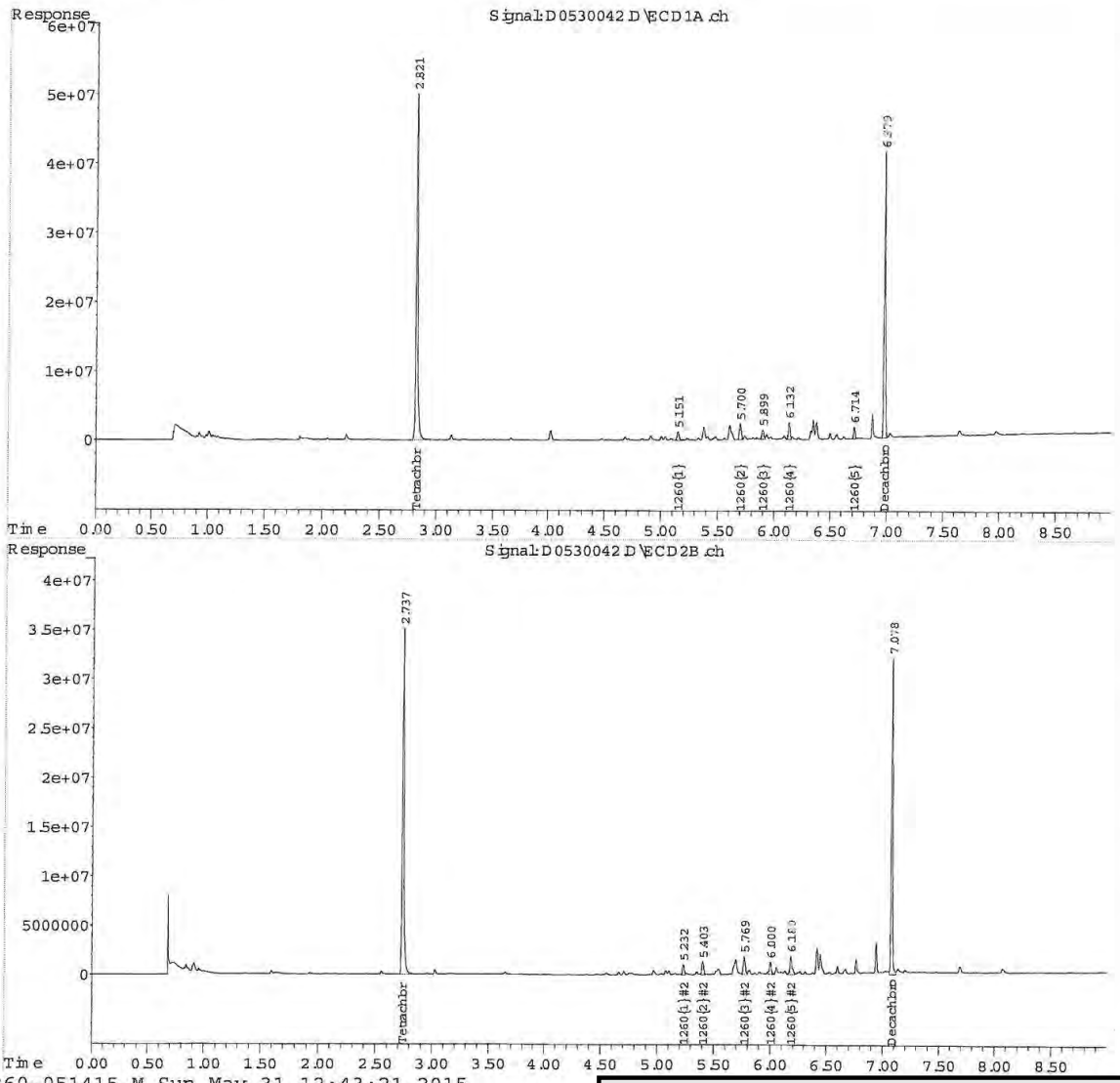
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\053015\
Data File : D0530042.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 6:53 pm
Operator : JMB
Sample : 15E0593-04@5X Inst : ECD 4
Misc :
ALS Vial : 42 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: May 31 11:15:56 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 :



4-1260-051415.M Sun May 31 12:43:21 2015

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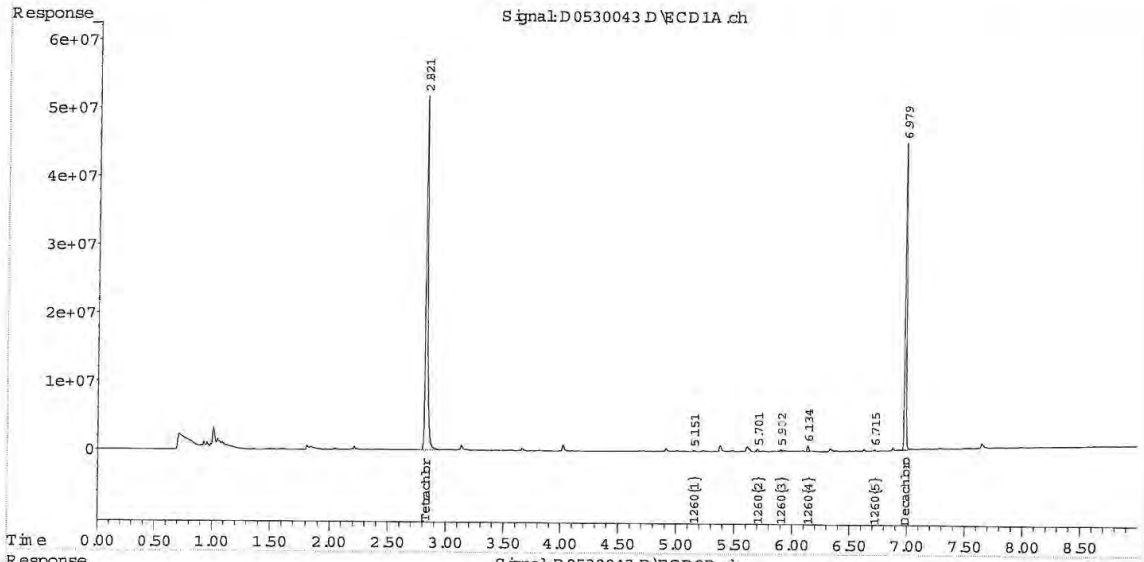
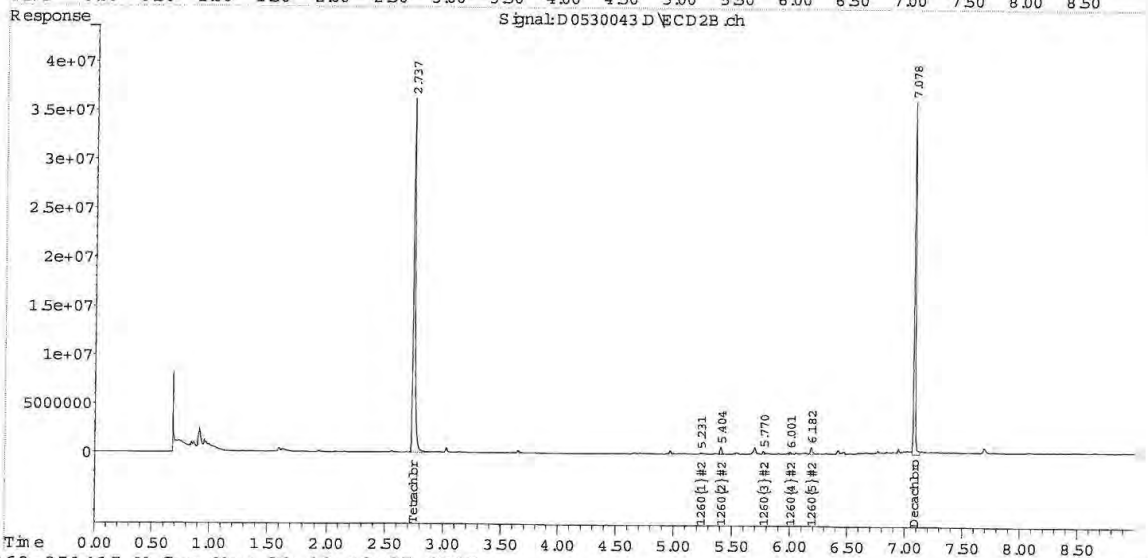
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\053015\
Data File : D0530043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 7:06 pm
Operator : JMB
Sample : 15E0593-05@5X Inst : ECD 4
Misc :
ALS Vial : 43 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: May 31 11:16:03 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 :





4-1260-051415.M Sun May 31 12:43:25 2015

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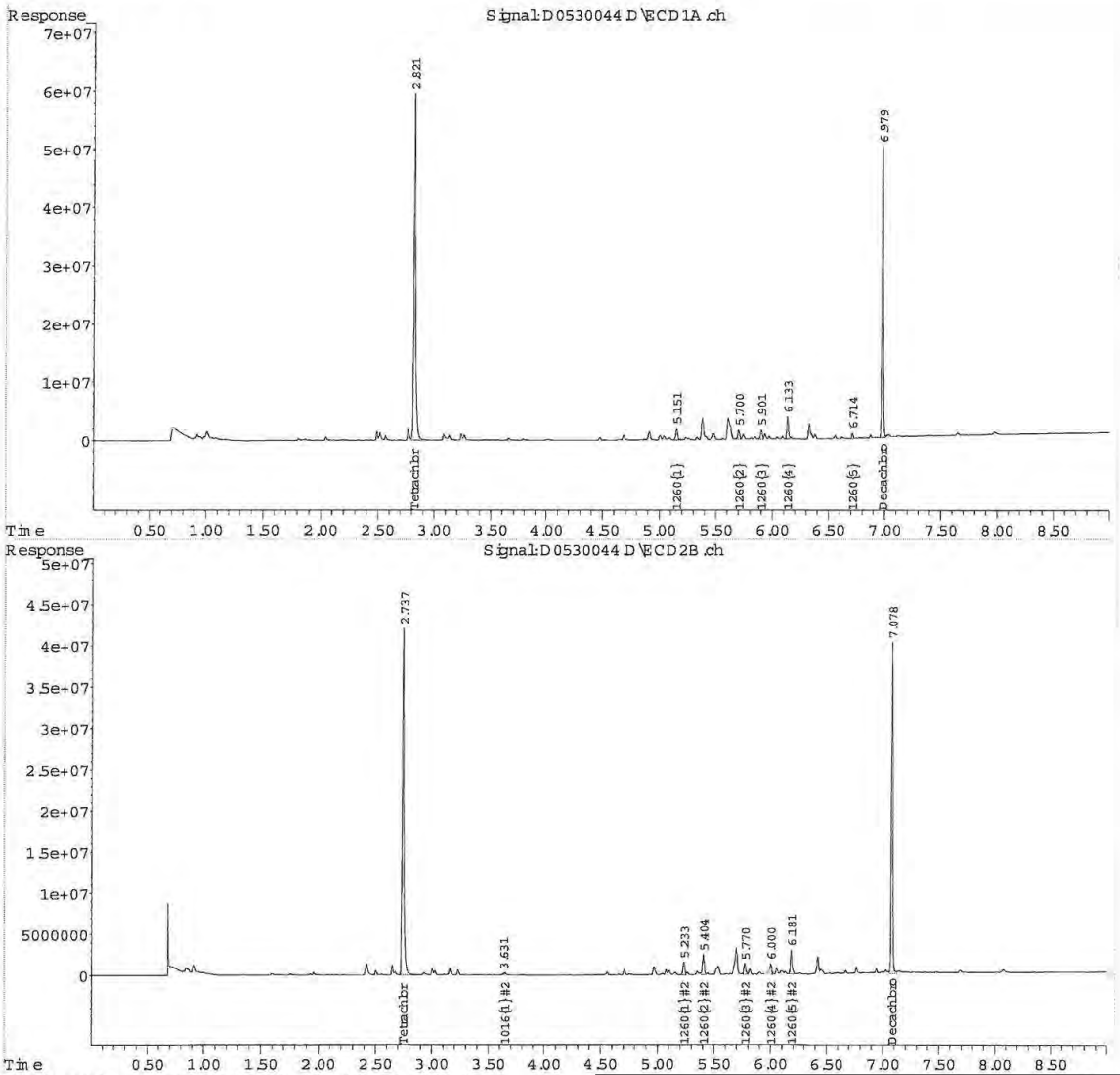
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\053015\
Data File : D0530044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 7:19 pm
Operator : JMB
Sample : 15E0593-06@5X Inst : ECD 4
Misc :
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: May 31 11:16:10 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 :



4-1260-051415.M Sun May 31 12:43:31 2015

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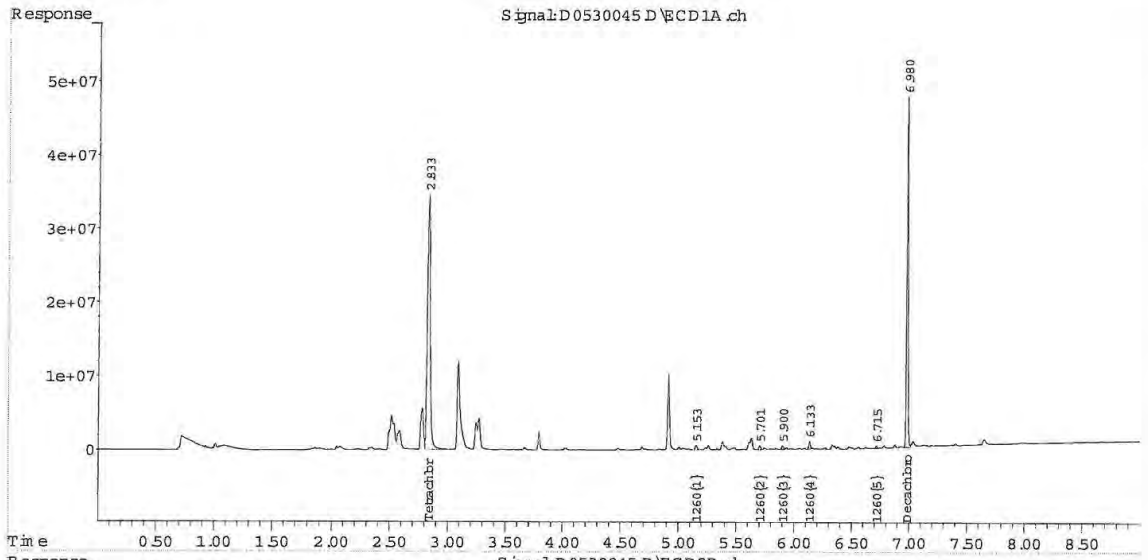
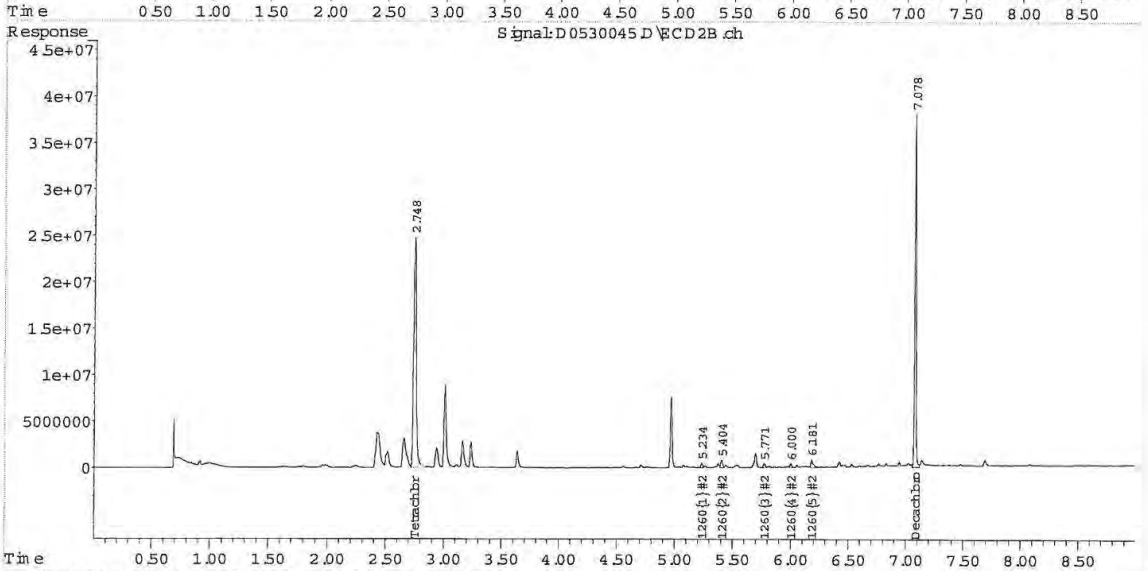
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\053015\
Data File : D0530045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 7:32 pm
Operator : JMB
Sample : 15E0593-07@5X Inst : ECD 4
Misc :
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: May 31 11:16:17 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 :





4-1260-051415.M Sun May 31 12:43:35 2015

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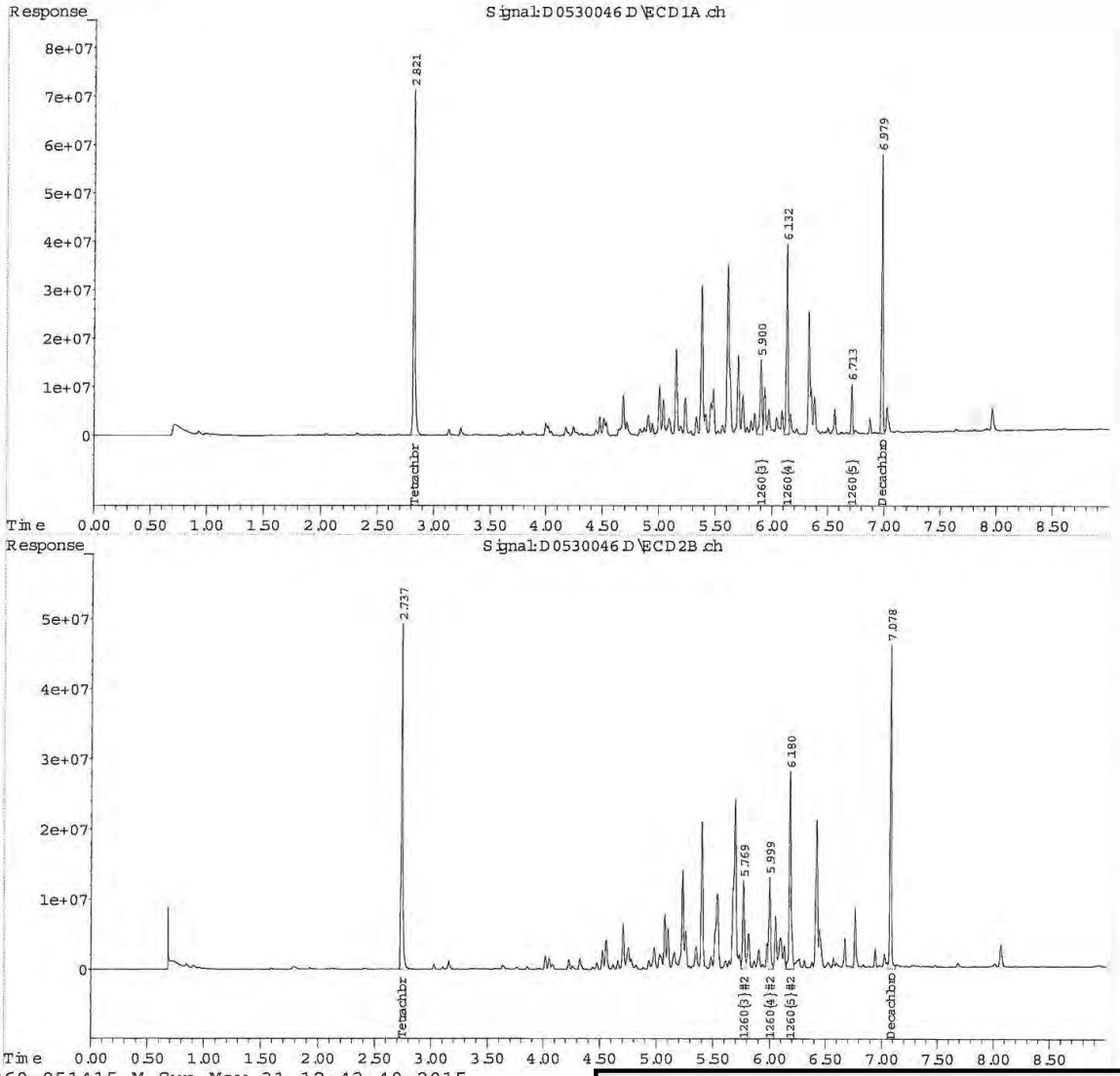
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\053015\
Data File : D0530046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 7:45 pm
Operator : JMB
Sample : 15E0593-09@5X Inst : ECD 4
Misc :
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: May 31 12:20:53 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 :



4-1260-051415.M Sun May 31 12:43:40 2015

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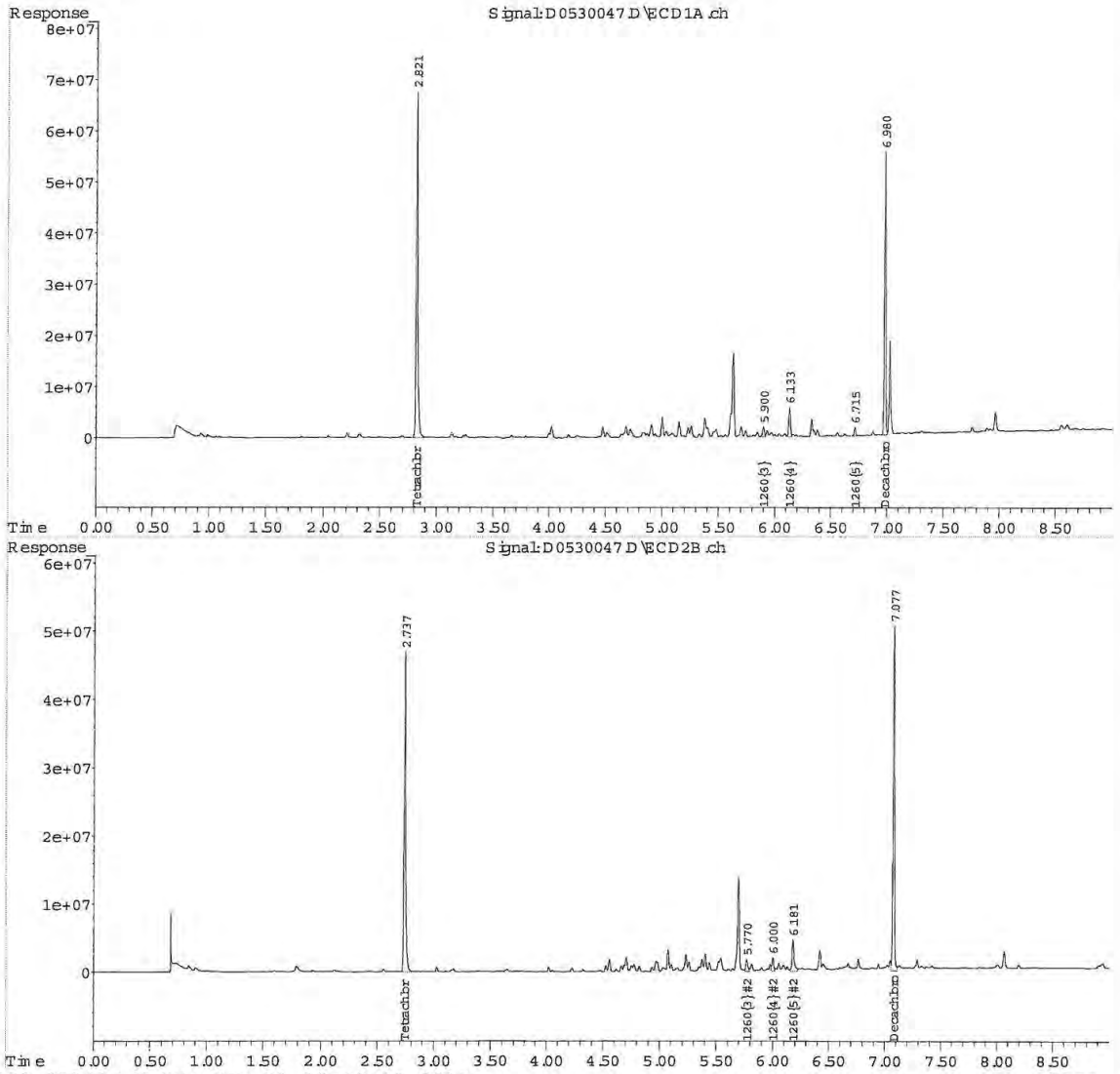
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\053015\
Data File : D0530047.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 7:58 pm
Operator : JMB
Sample : 15E0593-10@5X Inst : ECD 4
Misc :
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: May 31 12:23:33 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 :



4-1260-051415.M Sun May 31 12:43:45 2015

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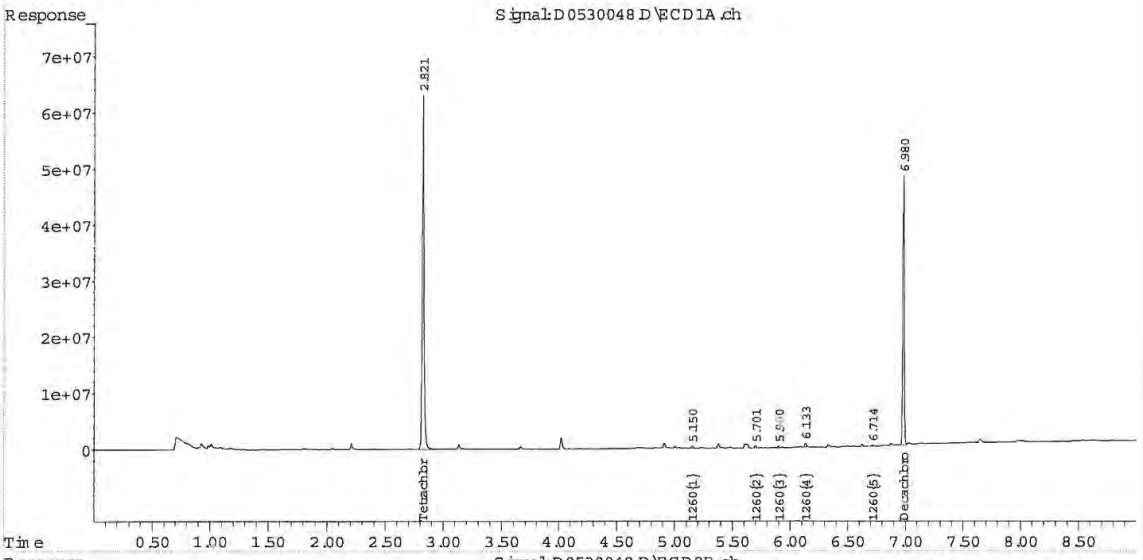
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\053015\
Data File : D0530048.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 8:10 pm
Operator : JMB
Sample : 15E0593-11@5X Inst : ECD 4
Misc :
ALS Vial : 48 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: May 31 11:16:38 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 :



4-1260-051415.M Sun May 31 12:43:50 2015

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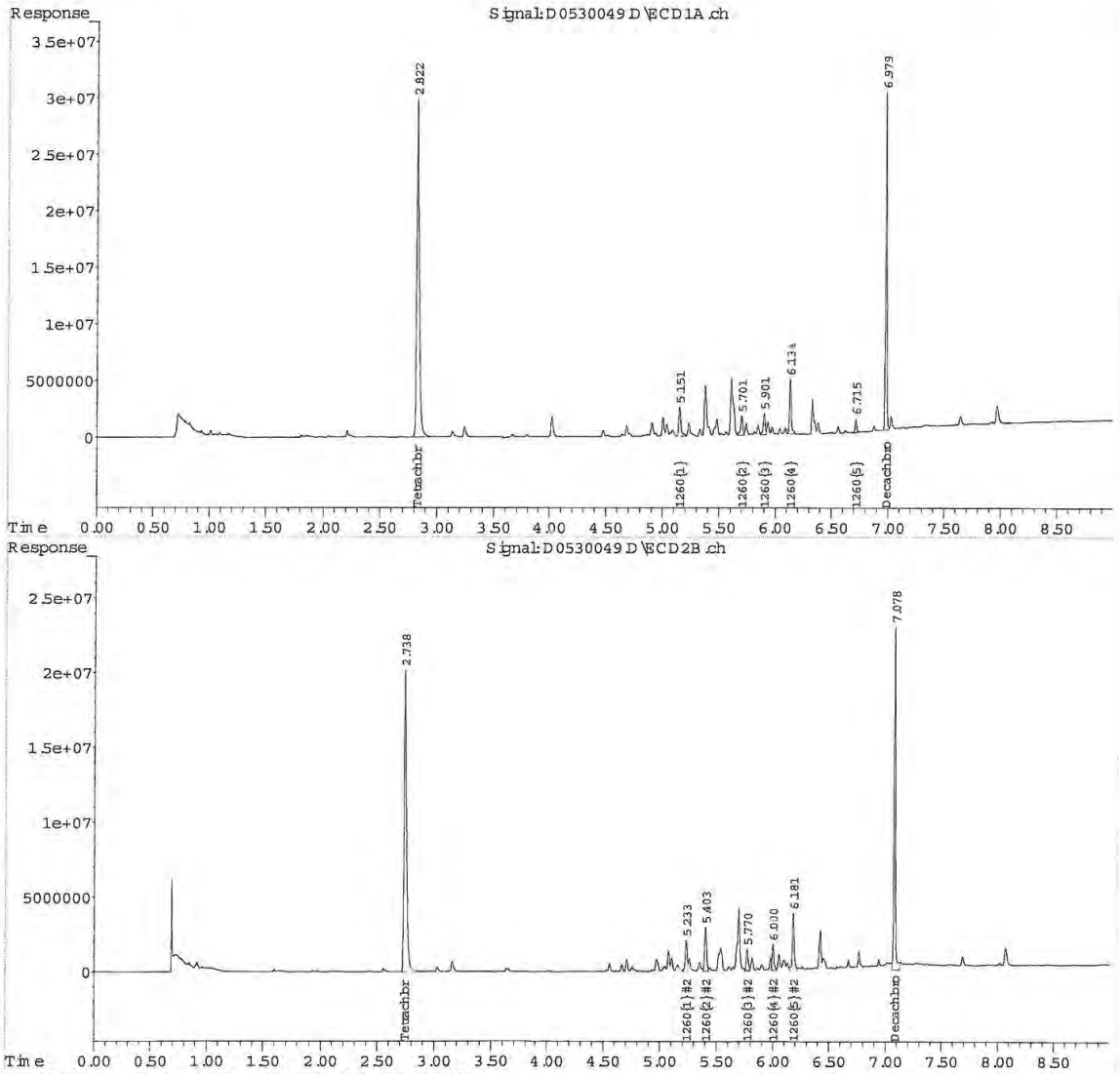
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\053015\
Data File : D0530049.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2015 8:23 pm
Operator : JMB
Sample : 15E0593-12@5X Inst : ECD 4
Misc :
ALS Vial : 49 Sample Multiplier: 1

Integration File signal 1: FRONT-1260.E
Integration File signal 2: 1260-BACK.E
Quant Time: May 31 12:25:50 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 :



4-1260-051415.M Sun May 31 12:43:55 2015

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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: 15E0593

Laboratory Sample ID(s):

15E0593-01 thru 15E0593-16

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:** **06/01/15**

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

May 22, 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: 15E0635

Enclosed are results of analyses for samples received by the laboratory on May 14, 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: 5/22/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0635

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
B123-1	15E0635-01	Soil		SM 2540G	
				SW-846 8082A	
B123-2	15E0635-02	Soil		SM 2540G	
				SW-846 8082A	
B125-1	15E0635-03	Soil		SM 2540G	
				SW-846 8082A	
B125-2	15E0635-04	Soil		SM 2540G	
				SW-846 8082A	
B124-1	15E0635-05	Soil		SM 2540G	
				SW-846 8082A	
B124-2	15E0635-06	Soil		SM 2540G	
				SW-846 8082A	
B126-1	15E0635-07	Soil		SM 2540G	
				SW-846 8082A	
B126-2	15E0635-08	Soil		SM 2540G	
				SW-846 8082A	
B127-1	15E0635-09	Soil		SM 2540G	
				SW-846 8082A	
B127-2	15E0635-10	Soil		SM 2540G	
				SW-846 8082A	
B183-1	15E0635-11	Soil		SM 2540G	
				SW-846 8082A	
B183-2	15E0635-12	Soil		SM 2540G	
				SW-846 8082A	
B184-1	15E0635-13	Soil		SM 2540G	
				SW-846 8082A	
B184-2	15E0635-14	Soil		SM 2540G	
				SW-846 8082A	
B128-1	15E0635-15	Soil		SM 2540G	
				SW-846 8082A	
B128-2	15E0635-16	Soil		SM 2540G	
				SW-846 8082A	
B185-1	15E0635-17	Soil		SM 2540G	
				SW-846 8082A	
B185-2	15E0635-18	Soil		SM 2540G	
				SW-846 8082A	
B129-1	15E0635-19	Soil		SM 2540G	
				SW-846 8082A	
B129-2	15E0635-20	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

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

REPORT DATE: 5/22/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0635

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
B130-1	15E0635-21	Soil		SM 2540G	
				SW-846 8082A	
B130-2	15E0635-22	Soil		SM 2540G	
				SW-846 8082A	
B186-1	15E0635-23	Soil		SM 2540G	
				SW-846 8082A	
B186-2	15E0635-24	Soil		SM 2540G	
				SW-846 8082A	
Dup-213	15E0635-25	Soil		SM 2540G	
				SW-846 8082A	
Dup-216	15E0635-26	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:

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-1260
B121839-MSD1

Aroclor-1260 [2C]
B121839-MS1

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:

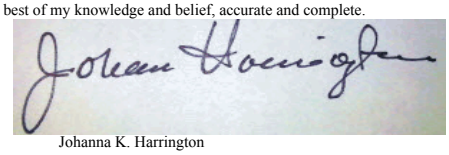
Decachlorobiphenyl
15E0635-04[B125-2], 15E0635-05[B124-1], 15E0635-06[B124-2], 15E0635-25[Dup-213]

Decachlorobiphenyl [2C]
15E0635-04[B125-2], 15E0635-05[B124-1], 15E0635-06[B124-2], 15E0635-25[Dup-213]

Tetrachloro-m-xylene
15E0635-04[B125-2], 15E0635-05[B124-1], 15E0635-06[B124-2], 15E0635-25[Dup-213]

Tetrachloro-m-xylene [2C]
15E0635-04[B125-2], 15E0635-05[B124-1], 15E0635-06[B124-2], 15E0635-25[Dup-213]

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: 15E0635

Date Received: 5/14/2015

Field Sample #: B123-1

Sample ID: 15E0635-01 Start Date/Time: 5/14/2015 12:00:00AM

Sample Matrix: Soil Stop Date/Time: 5/14/2015 10:20:00AM

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	5/15/15	5/20/15 11:12	KAL
Aroclor-1221 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	5/15/15	5/20/15 11:12	KAL
Aroclor-1232 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	5/15/15	5/20/15 11:12	KAL
Aroclor-1242 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	5/15/15	5/20/15 11:12	KAL
Aroclor-1248 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	5/15/15	5/20/15 11:12	KAL
Aroclor-1254 [1]	1.0	0.54	mg/Kg dry	25		SW-846 8082A	5/15/15	5/20/15 11:12	KAL
Aroclor-1260 [2]	3.1	0.54	mg/Kg dry	25		SW-846 8082A	5/15/15	5/20/15 11:12	KAL
Aroclor-1262 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	5/15/15	5/20/15 11:12	KAL
Aroclor-1268 [1]	ND	0.54	mg/Kg dry	25		SW-846 8082A	5/15/15	5/20/15 11:12	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.9	30-150		5/20/15 11:12
Decachlorobiphenyl [2]	78.9	30-150		5/20/15 11:12
Tetrachloro-m-xylene [1]	80.8	30-150		5/20/15 11:12
Tetrachloro-m-xylene [2]	78.1	30-150		5/20/15 11:12

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B123-1

Sample ID: 15E0635-01 Start Date/Time: 5/14/2015 12:00:00AM

Sample Matrix: Soil Stop Date/Time: 5/14/2015 10:20:00AM

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	90.3		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B123-2 Sampled: 5/14/2015 10:22

Sample ID: 15E0635-02

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	5/15/15	5/19/15 21:24	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 21:24	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 21:24	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 21:24	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 21:24	KAL
Aroclor-1254 [1]	0.30	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 21:24	KAL
Aroclor-1260 [2]	0.59	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 21:24	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 21:24	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 21:24	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.0	30-150		5/19/15 21:24
Decachlorobiphenyl [2]	98.5	30-150		5/19/15 21:24
Tetrachloro-m-xylene [1]	88.4	30-150		5/19/15 21:24
Tetrachloro-m-xylene [2]	95.5	30-150		5/19/15 21:24

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B123-2 Sampled: 5/14/2015 10:22

Sample ID: 15E0635-02

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	90.2		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B125-1 Sampled: 5/14/2015 10:30

Sample ID: 15E0635-03

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	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 11:25	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 11:25	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 11:25	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 11:25	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 11:25	KAL
Aroclor-1254 [1]	0.56	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 11:25	KAL
Aroclor-1260 [2]	2.2	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 11:25	KAL
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 11:25	KAL
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 11:25	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.8	30-150		5/20/15 11:25
Decachlorobiphenyl [2]	60.9	30-150		5/20/15 11:25
Tetrachloro-m-xylene [1]	63.9	30-150		5/20/15 11:25
Tetrachloro-m-xylene [2]	61.9	30-150		5/20/15 11:25

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B125-1 Sampled: 5/14/2015 10:30

Sample ID: 15E0635-03

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	90.1		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B125-2 Sampled: 5/14/2015 10:32

Sample ID: 15E0635-04

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	2.3	mg/Kg dry	100		SW-846 8082A	5/15/15	5/20/15 11:37	KAL
Aroclor-1221 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	5/15/15	5/20/15 11:37	KAL
Aroclor-1232 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	5/15/15	5/20/15 11:37	KAL
Aroclor-1242 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	5/15/15	5/20/15 11:37	KAL
Aroclor-1248 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	5/15/15	5/20/15 11:37	KAL
Aroclor-1254 [1]	4.6	2.3	mg/Kg dry	100		SW-846 8082A	5/15/15	5/20/15 11:37	KAL
Aroclor-1260 [2]	10	2.3	mg/Kg dry	100		SW-846 8082A	5/15/15	5/20/15 11:37	KAL
Aroclor-1262 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	5/15/15	5/20/15 11:37	KAL
Aroclor-1268 [1]	ND	2.3	mg/Kg dry	100		SW-846 8082A	5/15/15	5/20/15 11:37	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/20/15 11:37
Decachlorobiphenyl [2]	*	30-150	S-01	5/20/15 11:37
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/20/15 11:37
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/20/15 11:37

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B125-2 Sampled: 5/14/2015 10:32

Sample ID: 15E0635-04

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	86.2		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B124-1 Sampled: 5/14/2015 10:50

Sample ID: 15E0635-05

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	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 11:50	KAL
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 11:50	KAL
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 11:50	KAL
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 11:50	KAL
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 11:50	KAL
Aroclor-1254 [1]	2.2	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 11:50	KAL
Aroclor-1260 [2]	6.7	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 11:50	KAL
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 11:50	KAL
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 11:50	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/20/15 11:50
Decachlorobiphenyl [2]	*	30-150	S-01	5/20/15 11:50
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/20/15 11:50
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/20/15 11:50

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B124-1 Sampled: 5/14/2015 10:50

Sample ID: 15E0635-05

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	91.5		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B124-2 Sampled: 5/14/2015 10:52

Sample ID: 15E0635-06

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	5/15/15	5/20/15 12:03	KAL
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 12:03	KAL
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 12:03	KAL
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 12:03	KAL
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 12:03	KAL
Aroclor-1254 [2]	3.9	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 12:03	KAL
Aroclor-1260 [2]	7.9	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 12:03	KAL
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 12:03	KAL
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 12:03	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/20/15 12:03
Decachlorobiphenyl [2]	*	30-150	S-01	5/20/15 12:03
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/20/15 12:03
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/20/15 12:03

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B124-2 Sampled: 5/14/2015 10:52

Sample ID: 15E0635-06

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	91.0		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B126-1 Sampled: 5/14/2015 11:10

Sample ID: 15E0635-07

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	0.42	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:15	KAL
Aroclor-1221 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:15	KAL
Aroclor-1232 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:15	KAL
Aroclor-1242 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:15	KAL
Aroclor-1248 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:15	KAL
Aroclor-1254 [2]	0.55	0.42	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:15	KAL
Aroclor-1260 [2]	1.9	0.42	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:15	KAL
Aroclor-1262 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:15	KAL
Aroclor-1268 [1]	ND	0.42	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:15	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.4	30-150		5/20/15 12:15
Decachlorobiphenyl [2]	90.5	30-150		5/20/15 12:15
Tetrachloro-m-xylene [1]	82.2	30-150		5/20/15 12:15
Tetrachloro-m-xylene [2]	81.7	30-150		5/20/15 12:15

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B126-1 Sampled: 5/14/2015 11:10

Sample ID: 15E0635-07

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	93.4		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B126-2 Sampled: 5/14/2015 11:12

Sample ID: 15E0635-08

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	5/15/15	5/19/15 22:40	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:40	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:40	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:40	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:40	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:40	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:40	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:40	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:40	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	85.0	30-150				5/19/15 22:40	
Decachlorobiphenyl [2]	108	30-150				5/19/15 22:40	
Tetrachloro-m-xylene [1]	83.6	30-150				5/19/15 22:40	
Tetrachloro-m-xylene [2]	91.0	30-150				5/19/15 22:40	

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B126-2 Sampled: 5/14/2015 11:12

Sample ID: 15E0635-08

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	88.8		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B127-1 Sampled: 5/14/2015 11:30

Sample ID: 15E0635-09

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	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:53	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:53	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:53	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:53	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:53	KAL
Aroclor-1254 [1]	0.19	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:53	KAL
Aroclor-1260 [2]	0.71	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:53	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:53	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 22:53	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.4	30-150		5/19/15 22:53
Decachlorobiphenyl [2]	97.8	30-150		5/19/15 22:53
Tetrachloro-m-xylene [1]	86.2	30-150		5/19/15 22:53
Tetrachloro-m-xylene [2]	94.2	30-150		5/19/15 22:53

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B127-1 Sampled: 5/14/2015 11:30

Sample ID: 15E0635-09

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	92.8		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B127-2 Sampled: 5/14/2015 11:32

Sample ID: 15E0635-10

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	0.45	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:28	KAL
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:28	KAL
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:28	KAL
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:28	KAL
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:28	KAL
Aroclor-1254 [2]	1.2	0.45	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:28	KAL
Aroclor-1260 [2]	2.0	0.45	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:28	KAL
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:28	KAL
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:28	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.5	30-150		5/20/15 12:28
Decachlorobiphenyl [2]	102	30-150		5/20/15 12:28
Tetrachloro-m-xylene [1]	97.2	30-150		5/20/15 12:28
Tetrachloro-m-xylene [2]	97.5	30-150		5/20/15 12:28

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B127-2 Sampled: 5/14/2015 11:32

Sample ID: 15E0635-10

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	87.8		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B183-1 Sampled: 5/14/2015 11:40

Sample ID: 15E0635-11

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	5/15/15	5/19/15 23:56	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 23:56	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 23:56	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 23:56	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 23:56	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 23:56	KAL
Aroclor-1260 [2]	0.59	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 23:56	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 23:56	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 23:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	81.4	30-150		5/19/15 23:56
Decachlorobiphenyl [2]	97.0	30-150		5/19/15 23:56
Tetrachloro-m-xylene [1]	85.5	30-150		5/19/15 23:56
Tetrachloro-m-xylene [2]	92.6	30-150		5/19/15 23:56

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B183-1 Sampled: 5/14/2015 11:40

Sample ID: 15E0635-11

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	92.1		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B183-2 Sampled: 5/14/2015 11:42

Sample ID: 15E0635-12

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	5/15/15	5/20/15 0:09	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:09	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:09	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:09	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:09	KAL
Aroclor-1254 [2]	0.44	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:09	KAL
Aroclor-1260 [2]	0.55	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:09	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:09	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:09	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	66.4	30-150				5/20/15 0:09	
Decachlorobiphenyl [2]	73.7	30-150				5/20/15 0:09	
Tetrachloro-m-xylene [1]	69.2	30-150				5/20/15 0:09	
Tetrachloro-m-xylene [2]	74.1	30-150				5/20/15 0:09	

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B183-2 Sampled: 5/14/2015 11:42

Sample ID: 15E0635-12

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	93.6		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B184-1 Sampled: 5/14/2015 12:00

Sample ID: 15E0635-13

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	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:41	KAL
Aroclor-1221 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:41	KAL
Aroclor-1232 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:41	KAL
Aroclor-1242 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:41	KAL
Aroclor-1248 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:41	KAL
Aroclor-1254 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:41	KAL
Aroclor-1260 [2]	2.0	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:41	KAL
Aroclor-1262 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:41	KAL
Aroclor-1268 [1]	ND	0.43	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:41	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.3	30-150		5/20/15 12:41
Decachlorobiphenyl [2]	105	30-150		5/20/15 12:41
Tetrachloro-m-xylene [1]	101	30-150		5/20/15 12:41
Tetrachloro-m-xylene [2]	101	30-150		5/20/15 12:41

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B184-1 Sampled: 5/14/2015 12:00

Sample ID: 15E0635-13

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	90.3		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B184-2 Sampled: 5/14/2015 12:02

Sample ID: 15E0635-14

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	0.44	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:53	KAL
Aroclor-1221 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:53	KAL
Aroclor-1232 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:53	KAL
Aroclor-1242 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:53	KAL
Aroclor-1248 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:53	KAL
Aroclor-1254 [1]	1.1	0.44	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:53	KAL
Aroclor-1260 [2]	2.4	0.44	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:53	KAL
Aroclor-1262 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:53	KAL
Aroclor-1268 [1]	ND	0.44	mg/Kg dry	20		SW-846 8082A	5/15/15	5/20/15 12:53	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		5/20/15 12:53
Decachlorobiphenyl [2]	100	30-150		5/20/15 12:53
Tetrachloro-m-xylene [1]	92.0	30-150		5/20/15 12:53
Tetrachloro-m-xylene [2]	91.6	30-150		5/20/15 12:53

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B184-2 Sampled: 5/14/2015 12:02

Sample ID: 15E0635-14

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	88.4		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B128-1 Sampled: 5/14/2015 12:30

Sample ID: 15E0635-15

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	0.10	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:47	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:47	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:47	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:47	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:47	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:47	KAL
Aroclor-1260 [2]	0.78	0.10	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:47	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:47	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 0:47	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.7	30-150		5/20/15 0:47
Decachlorobiphenyl [2]	99.0	30-150		5/20/15 0:47
Tetrachloro-m-xylene [1]	85.5	30-150		5/20/15 0:47
Tetrachloro-m-xylene [2]	92.9	30-150		5/20/15 0:47

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B128-1 Sampled: 5/14/2015 12:30

Sample ID: 15E0635-15

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	93.9		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B128-2 Sampled: 5/14/2015 12:32

Sample ID: 15E0635-16

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 9:25	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 9:25	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 9:25	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 9:25	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 9:25	JMB
Aroclor-1254 [2]	0.28	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 9:25	JMB
Aroclor-1260 [2]	0.59	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 9:25	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 9:25	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/21/15	5/22/15 9:25	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	107	30-150				5/22/15 9:25	
Decachlorobiphenyl [2]	109	30-150				5/22/15 9:25	
Tetrachloro-m-xylene [1]	117	30-150				5/22/15 9:25	
Tetrachloro-m-xylene [2]	116	30-150				5/22/15 9:25	

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B128-2 Sampled: 5/14/2015 12:32

Sample ID: 15E0635-16

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	87.9		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B185-1 Sampled: 5/14/2015 12:40

Sample ID: 15E0635-17

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	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:12	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:12	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:12	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:12	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:12	KAL
Aroclor-1254 [1]	0.18	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:12	KAL
Aroclor-1260 [2]	0.88	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:12	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:12	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:12	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.9	30-150		5/20/15 1:12
Decachlorobiphenyl [2]	83.5	30-150		5/20/15 1:12
Tetrachloro-m-xylene [1]	75.0	30-150		5/20/15 1:12
Tetrachloro-m-xylene [2]	84.2	30-150		5/20/15 1:12

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B185-1 Sampled: 5/14/2015 12:40

Sample ID: 15E0635-17

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	90.8		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B185-2 Sampled: 5/14/2015 12:42

Sample ID: 15E0635-18

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	5/15/15	5/20/15 1:25	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:25	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:25	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:25	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:25	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:25	KAL
Aroclor-1260 [2]	0.15	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:25	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:25	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:25	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	51.9	30-150				5/20/15 1:25	
Decachlorobiphenyl [2]	58.0	30-150				5/20/15 1:25	
Tetrachloro-m-xylene [1]	60.7	30-150				5/20/15 1:25	
Tetrachloro-m-xylene [2]	63.9	30-150				5/20/15 1:25	

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B185-2 Sampled: 5/14/2015 12:42

Sample ID: 15E0635-18

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	87.0		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B129-1 Sampled: 5/14/2015 12:50

Sample ID: 15E0635-19

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	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:06	KAL
Aroclor-1221 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:06	KAL
Aroclor-1232 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:06	KAL
Aroclor-1242 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:06	KAL
Aroclor-1248 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:06	KAL
Aroclor-1254 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:06	KAL
Aroclor-1260 [2]	2.6	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:06	KAL
Aroclor-1262 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:06	KAL
Aroclor-1268 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:06	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.0	30-150		5/20/15 13:06
Decachlorobiphenyl [2]	107	30-150		5/20/15 13:06
Tetrachloro-m-xylene [1]	95.6	30-150		5/20/15 13:06
Tetrachloro-m-xylene [2]	100	30-150		5/20/15 13:06

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B129-1 Sampled: 5/14/2015 12:50

Sample ID: 15E0635-19

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	87.8		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B129-2 Sampled: 5/14/2015 12:52

Sample ID: 15E0635-20

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	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:50	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:50	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:50	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:50	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:50	KAL
Aroclor-1254 [2]	0.17	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:50	KAL
Aroclor-1260 [2]	0.53	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:50	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:50	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/20/15 1:50	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	70.5	30-150				5/20/15 1:50	
Decachlorobiphenyl [2]	80.6	30-150				5/20/15 1:50	
Tetrachloro-m-xylene [1]	80.4	30-150				5/20/15 1:50	
Tetrachloro-m-xylene [2]	86.9	30-150				5/20/15 1:50	

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B129-2 Sampled: 5/14/2015 12:52

Sample ID: 15E0635-20

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	89.4		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B130-1 Sampled: 5/14/2015 13:10

Sample ID: 15E0635-21

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	5/15/15	5/19/15 20:12	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:12	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:12	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:12	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:12	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:12	KAL
Aroclor-1260 [2]	0.31	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:12	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:12	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:12	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	112	30-150		5/19/15 20:12
Decachlorobiphenyl [2]	108	30-150		5/19/15 20:12
Tetrachloro-m-xylene [1]	88.9	30-150		5/19/15 20:12
Tetrachloro-m-xylene [2]	97.0	30-150		5/19/15 20:12

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B130-1 Sampled: 5/14/2015 13:10

Sample ID: 15E0635-21

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	90.9		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B130-2 Sampled: 5/14/2015 13:12

Sample ID: 15E0635-22

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	5/15/15	5/19/15 20:24	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:24	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:24	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:24	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:24	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:24	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:24	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:24	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:24	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		5/19/15 20:24
Decachlorobiphenyl [2]	86.9	30-150		5/19/15 20:24
Tetrachloro-m-xylene [1]	78.7	30-150		5/19/15 20:24
Tetrachloro-m-xylene [2]	85.3	30-150		5/19/15 20:24

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B130-2 Sampled: 5/14/2015 13:12

Sample ID: 15E0635-22

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	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B186-1 Sampled: 5/14/2015 13:20

Sample ID: 15E0635-23

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	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:22	KAL
Aroclor-1221 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:22	KAL
Aroclor-1232 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:22	KAL
Aroclor-1242 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:22	KAL
Aroclor-1248 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:22	KAL
Aroclor-1254 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:22	KAL
Aroclor-1260 [1]	1.9	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:22	KAL
Aroclor-1262 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:22	KAL
Aroclor-1268 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:22	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		5/20/15 13:22
Decachlorobiphenyl [2]	97.7	30-150		5/20/15 13:22
Tetrachloro-m-xylene [1]	84.4	30-150		5/20/15 13:22
Tetrachloro-m-xylene [2]	92.0	30-150		5/20/15 13:22

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B186-1 Sampled: 5/14/2015 13:20

Sample ID: 15E0635-23

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	88.7		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: B186-2 Sampled: 5/14/2015 13:22

Sample ID: 15E0635-24

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	5/15/15	5/19/15 20:49	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:49	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:49	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:49	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:49	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:49	KAL
Aroclor-1260 [2]	0.18	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:49	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:49	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/15/15	5/19/15 20:49	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	112	30-150		5/19/15 20:49
Decachlorobiphenyl [2]	108	30-150		5/19/15 20:49
Tetrachloro-m-xylene [1]	92.1	30-150		5/19/15 20:49
Tetrachloro-m-xylene [2]	99.9	30-150		5/19/15 20:49

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: B186-2 Sampled: 5/14/2015 13:22

Sample ID: 15E0635-24

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	91.1		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: Dup-213 Sampled: 5/14/2015 00:00

Sample ID: 15E0635-25

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	5/15/15	5/20/15 13:34	KAL
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 13:34	KAL
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 13:34	KAL
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 13:34	KAL
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 13:34	KAL
Aroclor-1254 [2]	4.6	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 13:34	KAL
Aroclor-1260 [1]	9.6	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 13:34	KAL
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 13:34	KAL
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/15/15	5/20/15 13:34	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/20/15 13:34
Decachlorobiphenyl [2]	*	30-150	S-01	5/20/15 13:34
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/20/15 13:34
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/20/15 13:34

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: Dup-213 Sampled: 5/14/2015 00:00

Sample ID: 15E0635-25

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	90.1		% Wt	1		SM 2540G	5/15/15	5/18/15 8:07	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: 15E0635

Date Received: 5/14/2015

Field Sample #: Dup-216 Sampled: 5/14/2015 00:00

Sample ID: 15E0635-26

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	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:46	KAL
Aroclor-1221 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:46	KAL
Aroclor-1232 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:46	KAL
Aroclor-1242 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:46	KAL
Aroclor-1248 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:46	KAL
Aroclor-1254 [2]	0.46	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:46	KAL
Aroclor-1260 [1]	2.0	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:46	KAL
Aroclor-1262 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:46	KAL
Aroclor-1268 [1]	ND	0.22	mg/Kg dry	10		SW-846 8082A	5/15/15	5/20/15 13:46	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	115	30-150		5/20/15 13:46
Decachlorobiphenyl [2]	110	30-150		5/20/15 13:46
Tetrachloro-m-xylene [1]	100	30-150		5/20/15 13:46
Tetrachloro-m-xylene [2]	110	30-150		5/20/15 13:46

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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: 15E0635

Date Received: 5/14/2015

Field Sample #: Dup-216 Sampled: 5/14/2015 00:00

Sample ID: 15E0635-26

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	5/15/15	5/18/15 8:07	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
15E0635-01 [B123-1]	B121877	05/15/15
15E0635-02 [B123-2]	B121877	05/15/15
15E0635-03 [B125-1]	B121877	05/15/15
15E0635-04 [B125-2]	B121877	05/15/15
15E0635-05 [B124-1]	B121877	05/15/15
15E0635-06 [B124-2]	B121877	05/15/15
15E0635-07 [B126-1]	B121877	05/15/15
15E0635-08 [B126-2]	B121877	05/15/15
15E0635-09 [B127-1]	B121877	05/15/15
15E0635-10 [B127-2]	B121877	05/15/15
15E0635-11 [B183-1]	B121877	05/15/15
15E0635-12 [B183-2]	B121877	05/15/15
15E0635-13 [B184-1]	B121877	05/15/15
15E0635-14 [B184-2]	B121877	05/15/15
15E0635-15 [B128-1]	B121877	05/15/15
15E0635-16 [B128-2]	B121877	05/15/15
15E0635-17 [B185-1]	B121877	05/15/15
15E0635-18 [B185-2]	B121877	05/15/15
15E0635-19 [B129-1]	B121877	05/15/15
15E0635-20 [B129-2]	B121877	05/15/15
15E0635-21 [B130-1]	B121877	05/15/15
15E0635-22 [B130-2]	B121877	05/15/15
15E0635-23 [B186-1]	B121877	05/15/15
15E0635-24 [B186-2]	B121877	05/15/15
15E0635-25 [Dup-213]	B121877	05/15/15
15E0635-26 [Dup-216]	B121877	05/15/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0635-21 [B130-1]	B121824	10.4	10.0	05/15/15
15E0635-22 [B130-2]	B121824	10.2	10.0	05/15/15
15E0635-23 [B186-1]	B121824	10.2	10.0	05/15/15
15E0635-24 [B186-2]	B121824	10.3	10.0	05/15/15
15E0635-25 [Dup-213]	B121824	10.1	10.0	05/15/15
15E0635-26 [Dup-216]	B121824	10.4	10.0	05/15/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0635-01 [B123-1]	B121839	10.2	10.0	05/15/15
15E0635-02 [B123-2]	B121839	10.1	10.0	05/15/15
15E0635-03 [B125-1]	B121839	10.3	10.0	05/15/15
15E0635-04 [B125-2]	B121839	10.2	10.0	05/15/15
15E0635-05 [B124-1]	B121839	10.2	10.0	05/15/15
15E0635-06 [B124-2]	B121839	10.1	10.0	05/15/15
15E0635-07 [B126-1]	B121839	10.2	10.0	05/15/15
15E0635-08 [B126-2]	B121839	10.0	10.0	05/15/15
15E0635-09 [B127-1]	B121839	10.2	10.0	05/15/15
15E0635-10 [B127-2]	B121839	10.2	10.0	05/15/15
15E0635-11 [B183-1]	B121839	10.2	10.0	05/15/15
15E0635-12 [B183-2]	B121839	10.1	10.0	05/15/15
15E0635-13 [B184-1]	B121839	10.2	10.0	05/15/15

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0635-14 [B184-2]	B121839	10.2	10.0	05/15/15
15E0635-15 [B128-1]	B121839	10.2	10.0	05/15/15
15E0635-17 [B185-1]	B121839	10.2	10.0	05/15/15
15E0635-18 [B185-2]	B121839	10.2	10.0	05/15/15
15E0635-19 [B129-1]	B121839	10.2	10.0	05/15/15
15E0635-20 [B129-2]	B121839	10.2	10.0	05/15/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0635-16RE1 [B128-2]	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 B121824 - SW-846 3540C										
Blank (B121824-BLK1)				Prepared: 05/15/15 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							
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	0.195		85.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.161*		mg/Kg wet	0.195		82.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.162*		mg/Kg wet	0.195		83.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.168*		mg/Kg wet	0.195		85.9	30-150			
LCS (B121824-BS1)				Prepared: 05/15/15 Analyzed: 05/16/15						
Aroclor-1016	0.18	0.10	mg/Kg wet	0.199		88.8	40-140			
Aroclor-1016 [2C]	0.18	0.10	mg/Kg wet	0.199		92.6	40-140			
Aroclor-1260	0.20	0.10	mg/Kg wet	0.199		98.3	40-140			
Aroclor-1260 [2C]	0.20	0.10	mg/Kg wet	0.199		101	40-140			
Surrogate: Decachlorobiphenyl	*0.198*		mg/Kg wet	0.199		99.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.194*		mg/Kg wet	0.199		97.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.160*		mg/Kg wet	0.199		80.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.173*		mg/Kg wet	0.199		87.0	30-150			
LCS Dup (B121824-BSD1)				Prepared: 05/15/15 Analyzed: 05/16/15						
Aroclor-1016	0.19	0.098	mg/Kg wet	0.197		94.1	40-140	4.63	30	
Aroclor-1016 [2C]	0.19	0.098	mg/Kg wet	0.197		95.9	40-140	2.49	30	
Aroclor-1260	0.21	0.098	mg/Kg wet	0.197		105	40-140	5.76	30	
Aroclor-1260 [2C]	0.21	0.098	mg/Kg wet	0.197		108	40-140	5.34	30	
Surrogate: Decachlorobiphenyl	*0.204*		mg/Kg wet	0.197		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.200*		mg/Kg wet	0.197		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.162*		mg/Kg wet	0.197		82.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.175*		mg/Kg wet	0.197		89.0	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 B121839 - SW-846 3540C										
Blank (B121839-BLK1)				Prepared: 05/15/15 Analyzed: 05/19/15						
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	*0.173*		mg/Kg wet	0.195		88.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.222*		mg/Kg wet	0.195		114	30-150			
Surrogate: Tetrachloro-m-xylene	*0.175*		mg/Kg wet	0.195		89.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.220*		mg/Kg wet	0.195		112	30-150			
LCS (B121839-BS1)				Prepared: 05/15/15 Analyzed: 05/19/15						
Aroclor-1016	0.19	0.099	mg/Kg wet	0.199		94.8	40-140			
Aroclor-1016 [2C]	0.19	0.099	mg/Kg wet	0.199		97.7	40-140			
Aroclor-1260	0.18	0.099	mg/Kg wet	0.199		89.2	40-140			
Aroclor-1260 [2C]	0.19	0.099	mg/Kg wet	0.199		97.1	40-140			
Surrogate: Decachlorobiphenyl	*0.156*		mg/Kg wet	0.199		78.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.173*		mg/Kg wet	0.199		87.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.165*		mg/Kg wet	0.199		82.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.175*		mg/Kg wet	0.199		88.0	30-150			
LCS Dup (B121839-BSD1)				Prepared: 05/15/15 Analyzed: 05/19/15						
Aroclor-1016	0.21	0.099	mg/Kg wet	0.198		104	40-140	9.23	30	
Aroclor-1016 [2C]	0.21	0.099	mg/Kg wet	0.198		107	40-140	8.83	30	
Aroclor-1260	0.19	0.099	mg/Kg wet	0.198		95.8	40-140	6.82	30	
Aroclor-1260 [2C]	0.21	0.099	mg/Kg wet	0.198		108	40-140	10.4	30	
Surrogate: Decachlorobiphenyl	*0.169*		mg/Kg wet	0.198		85.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.193*		mg/Kg wet	0.198		97.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.198		89.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.194*		mg/Kg wet	0.198		98.0	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 B121839 - SW-846 3540C											
Matrix Spike (B121839-MS1)	**Source: 15E0635-01**			Prepared: 05/15/15 Analyzed: 05/20/15							
Aroclor-1016	0.27	0.11	mg/Kg dry	0.218	ND	124		40-140			
Aroclor-1016 [2C]	0.31	0.11	mg/Kg dry	0.218	ND	140		40-140			
Aroclor-1260	2.9	0.11	mg/Kg dry	0.218	2.6	118		40-140			
Aroclor-1260 [2C]	3.7	0.11	mg/Kg dry	0.218	3.1	**291**	*	40-140			MS-19
Surrogate: Decachlorobiphenyl	*0.178*		mg/Kg dry	0.218		81.4		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.204*		mg/Kg dry	0.218		93.3		30-150			
Surrogate: Tetrachloro-m-xylene	*0.185*		mg/Kg dry	0.218		84.5		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.198*		mg/Kg dry	0.218		90.9		30-150			
Matrix Spike Dup (B121839-MSD1)	**Source: 15E0635-01**			Prepared: 05/15/15 Analyzed: 05/20/15							
Aroclor-1016	0.26	0.11	mg/Kg dry	0.219	ND	119		40-140	4.11	50	
Aroclor-1016 [2C]	0.29	0.11	mg/Kg dry	0.219	ND	133		40-140	5.27	50	
Aroclor-1260	2.6	0.11	mg/Kg dry	0.219	2.6	**-17.4**	*	40-140	10.8	50	MS-19
Aroclor-1260 [2C]	3.3	0.11	mg/Kg dry	0.219	3.1	112		40-140	11.0	50	
Surrogate: Decachlorobiphenyl	*0.166*		mg/Kg dry	0.219		75.9		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.193*		mg/Kg dry	0.219		88.5		30-150			
Surrogate: Tetrachloro-m-xylene	*0.175*		mg/Kg dry	0.219		80.2		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.191*		mg/Kg dry	0.219		87.6		30-150			
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			

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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 B122261 - SW-846 3540C										
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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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B123-1

Lab Sample ID: 15E0635-01 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-1254	1	0.00	-0.03	0.03	1.0	
	2	0.00	-0.03	0.03	1.0	3.0
Aroclor-1260	1	0.00	-0.03	0.03	2.6	
	2	0.00	-0.03	0.03	3.1	16.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B123-2

Lab Sample ID: 15E0635-02 Date(s) Analyzed: 05/19/2015 05/19/2015

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	0.30	
	2	0.00	-0.03	0.03	0.29	4.7
Aroclor-1260	1	0.00	-0.03	0.03	0.51	
	2	0.00	-0.03	0.03	0.59	14.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B125-1

Lab Sample ID: 15E0635-03 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-1254	1	0.00	-0.03	0.03	0.56	
	2	0.00	-0.03	0.03	0.55	1.6
Aroclor-1260	1	0.00	-0.03	0.03	1.9	
	2	0.00	-0.03	0.03	2.2	15.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B125-2

Lab Sample ID: 15E0635-04 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-1254	1	0.00	-0.03	0.03	4.6	
	2	0.00	-0.03	0.03	4.6	0.2
Aroclor-1260	1	0.00	-0.03	0.03	9.3	
	2	0.00	-0.03	0.03	10	7.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B124-1

Lab Sample ID: 15E0635-05 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-1254	1	0.00	-0.03	0.03	2.2	
	2	0.00	-0.03	0.03	2.2	0.9
Aroclor-1260	1	0.00	-0.03	0.03	5.6	
	2	0.00	-0.03	0.03	6.7	17.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B124-2

Lab Sample ID: 15E0635-06 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-1254	1	0.00	-0.03	0.03	3.8	
	2	0.00	-0.03	0.03	3.9	2.3
Aroclor-1260	1	0.00	-0.03	0.03	7.0	
	2	0.00	-0.03	0.03	7.9	11.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B126-1

Lab Sample ID: 15E0635-07 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-1254	1	0.00	-0.03	0.03	0.53	
	2	0.00	-0.03	0.03	0.55	4.5
Aroclor-1260	1	0.00	-0.03	0.03	1.5	
	2	0.00	-0.03	0.03	1.9	22.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B127-1

Lab Sample ID: 15E0635-09 Date(s) Analyzed: 05/19/2015 05/19/2015

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	0.19	
	2	0.00	-0.03	0.03	0.14	29.3
Aroclor-1260	1	0.00	-0.03	0.03	0.61	
	2	0.00	-0.03	0.03	0.71	15.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B127-2

Lab Sample ID: 15E0635-10 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-1254	1	0.00	-0.03	0.03	1.1	
	2	0.00	-0.03	0.03	1.2	6.9
Aroclor-1260	1	0.00	-0.03	0.03	1.8	
	2	0.00	-0.03	0.03	2.0	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B183-1

Lab Sample ID: 15E0635-11 Date(s) Analyzed: 05/19/2015 05/19/2015

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	0.51	
	2	0.00	-0.03	0.03	0.59	15.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B183-2

Lab Sample ID: 15E0635-12 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-1254	1	0.00	-0.03	0.03	0.44	
	2	0.00	-0.03	0.03	0.44	0.0
Aroclor-1260	1	0.00	-0.03	0.03	0.47	
	2	0.00	-0.03	0.03	0.55	16.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B184-1

Lab Sample ID: 15E0635-13 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-1260	1	0.00	-0.03	0.03	1.7	
	2	0.00	-0.03	0.03	2.0	15.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B184-2

Lab Sample ID: 15E0635-14 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-1254	1	0.00	-0.03	0.03	1.1	
	2	0.00	-0.03	0.03	1.0	5.8
Aroclor-1260	1	0.00	-0.03	0.03	2.0	
	2	0.00	-0.03	0.03	2.4	16.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B128-1

Lab Sample ID: 15E0635-15 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-1260	1	0.00	-0.03	0.03	0.66	
	2	0.00	-0.03	0.03	0.78	17.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B128-2

Lab Sample ID: 15E0635-16RE1 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-1254	1	0.00	-0.03	0.03	0.24	
	2	0.00	-0.03	0.03	0.28	15.4
Aroclor-1260	1	0.00	-0.03	0.03	0.55	
	2	0.00	-0.03	0.03	0.59	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B185-1

Lab Sample ID: 15E0635-17 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-1254	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.18	1.1
Aroclor-1260	1	0.00	-0.03	0.03	0.73	
	2	0.00	-0.03	0.03	0.88	18.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B185-2

Lab Sample ID: 15E0635-18 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-1260	1	0.00	-0.03	0.03	0.14	
	2	0.00	-0.03	0.03	0.15	9.8

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B129-1

Lab Sample ID: 15E0635-19 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-1260	1	0.00	-0.03	0.03	2.1	
	2	0.00	-0.03	0.03	2.6	20.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B129-2

Lab Sample ID: 15E0635-20 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-1254	1	0.00	-0.03	0.03	0.15	
	2	0.00	-0.03	0.03	0.17	10.5
Aroclor-1260	1	0.00	-0.03	0.03	0.44	
	2	0.00	-0.03	0.03	0.53	18.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B130-1

Lab Sample ID: 15E0635-21 Date(s) Analyzed: 05/19/2015 05/19/2015

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	0.31	1.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B186-1

Lab Sample ID: 15E0635-23 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-1260	1	0.00	-0.03	0.03	1.9	
	2	0.00	-0.03	0.03	1.8	4.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B186-2

Lab Sample ID: 15E0635-24 Date(s) Analyzed: 05/19/2015 05/19/2015

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	0.18	
	2	0.00	-0.03	0.03	0.18	1.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Dup-213

Lab Sample ID: 15E0635-25 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-1254	1	0.00	-0.03	0.03	4.4	
	2	0.00	-0.03	0.03	4.6	4.0
Aroclor-1260	1	0.00	-0.03	0.03	9.6	
	2	0.00	-0.03	0.03	9.5	0.8

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

Dup-216

Lab Sample ID: 15E0635-26 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-1254	1	0.00	-0.03	0.03	0.45	
	2	0.00	-0.03	0.03	0.46	2.4
Aroclor-1260	1	0.00	-0.03	0.03	2.0	
	2	0.00	-0.03	0.03	1.9	3.6

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

Lab Sample ID: B121824-BS1 Date(s) Analyzed: 05/16/2015 05/16/2015

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

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

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

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B121824-BSD1 Date(s) Analyzed: 05/16/2015 05/16/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.19	3
Aroclor-1260	1	0.00	-0.03	0.03	0.21	
	2	0.00	-0.03	0.03	0.21	1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B121839-BS1 Date(s) Analyzed: 05/19/2015 05/19/2015

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	0.19	1
Aroclor-1260	1	0.00	-0.03	0.03	0.18	
	2	0.00	-0.03	0.03	0.19	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

LCS Dup

Lab Sample ID: B121839-BSD1 Date(s) Analyzed: 05/19/2015 05/19/2015

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	0.21	
	2	0.00	-0.03	0.03	0.21	1
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.21	10

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B121839-MS1 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	-0.03	0.03	0.27	
	2	0.00	-0.03	0.03	0.31	13
Aroclor-1260	1	0.00	-0.03	0.03	2.9	
	2	0.00	-0.03	0.03	3.7	25

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

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B121839-MSD1 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	-0.03	0.03	0.26	
	2	0.00	-0.03	0.03	0.29	11
Aroclor-1260	1	0.00	-0.03	0.03	2.6	
	2	0.00	-0.03	0.03	3.3	24

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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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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-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.
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.

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

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

15E0635

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
01	B123-1	5/14/15	1020		X	S	U	1	I	A	✓	✓	
02	B123-2		1022								✓	✓	
03	B125-1		1030								✓	✓	
04	B125-2		1038								✓	✓	
05	B124-1		1056								✓	✓	
06	B124-2		1052								✓	✓	
07	B126-1		1110								✓	✓	
08	B126-2		1112								✓	✓	
09	B127-1		1130								✓	✓	
10	B127-2	↓	1132		↓	↓	↓				✓	✓	

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] 5/14/15	1600
Received by: (signature) [signature] 5.14.15	1600
Relinquished by: (signature) [signature] 5.14.15	1720
Received by: (signature) [signature] 5/14/15	1720

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
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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

15E0635

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
								1		A			
11	BKG# B183-1	5/14/15	1140		X	S	U				✓	✓	
12	B183-2	↓	1142		↓	↓	↓				✓	✓	
13	B184-1		1200								✓	✓	
14	B184-2		1202								✓	✓	
15	B128-1		1230								✓	✓	
16	B128-2		1232								✓	✓	
17	B185-1		1240								✓	✓	
18	B185-2		1242								✓	✓	
19	B129-1		1250								✓	✓	
20	B129-2	↓	1252		↓	↓	↓				✓	✓	

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] 5/14/15	1600
Received by: (signature)	Date/Time:
Paul Racicot 5.14.15	1600
Relinquished by: (signature)	Date/Time:
Paul Racicot 5.14.15	1720
Received by: (signature) 2.8°C	Date/Time:
Rebecca Dust 5/14/15	1720

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

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CHAIN OF CUSTODY RECORD

15E0635

Company Name: Weston and Sampson (for NUSCO) Telephone: 860 513-1473
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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
21	B130-1	5/14/15	1310		X	S	U	✓	✓				
22	B130-2		1317					✓	✓				
23	B186-1		1320					✓	✓				
24	B186-2		1322					✓	✓				
25	Dup-213		—					✓	✓				
26	Dup-216	✓	—		✓	✓	✓	✓	✓				

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)	5/14/15	Date/Time: 1600
Received by: (signature)	5/14/15	Date/Time: 1600
Relinquished by: (signature)	5.14.15	Date/Time: 1720
Received by: (signature)	2.8C 5/14/15	Date/Time: 1720

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

NELAC & AIHA Certified
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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: 5/14/15

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 2.8°C
5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____
7) **Location where samples are stored:** 19

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

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	240
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 5/14/15 1720

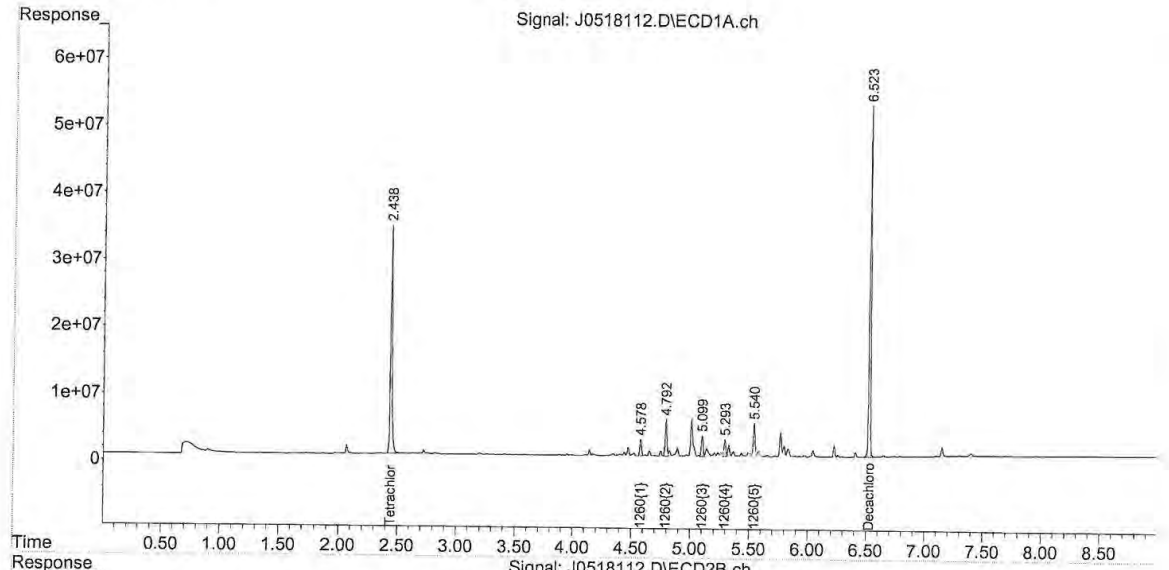
Table of Contents

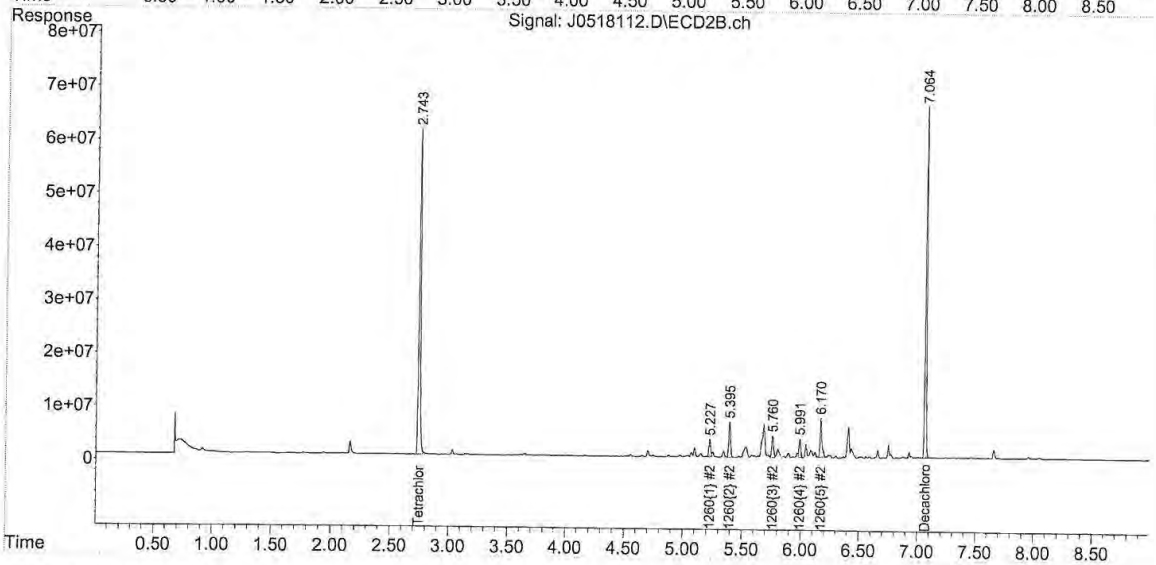
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051815\
Data File : J0518112.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2015 8:12 pm
Operator : JMB
Sample : 15E0635-21@5X TBA Inst : ECD10
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 20 08:43:20 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-051515.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 :





10-1260-051515.M Wed May 20 18:10:15 2015

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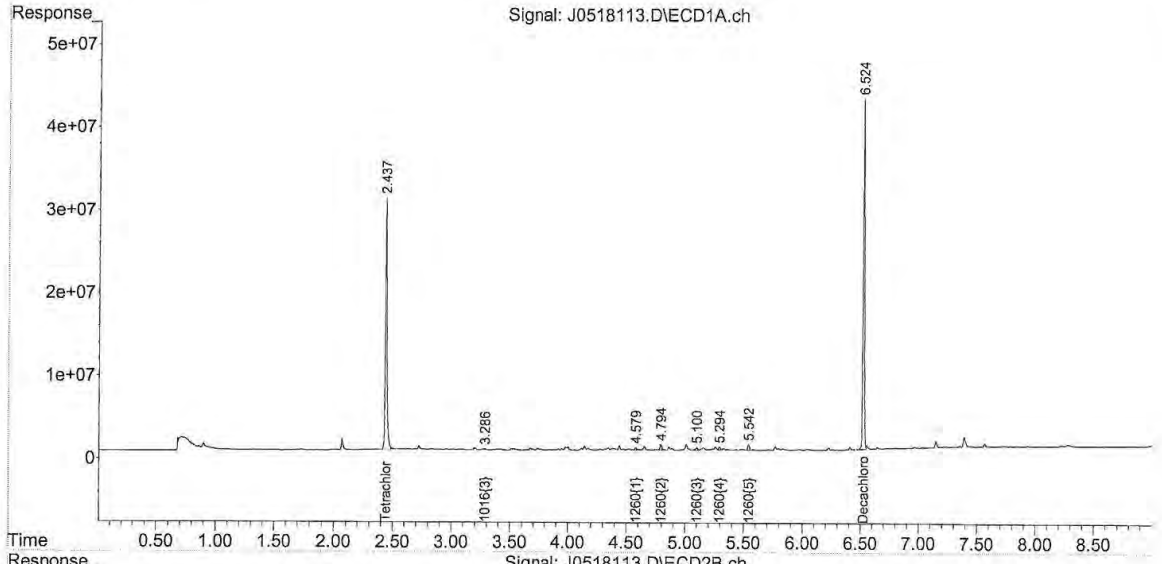
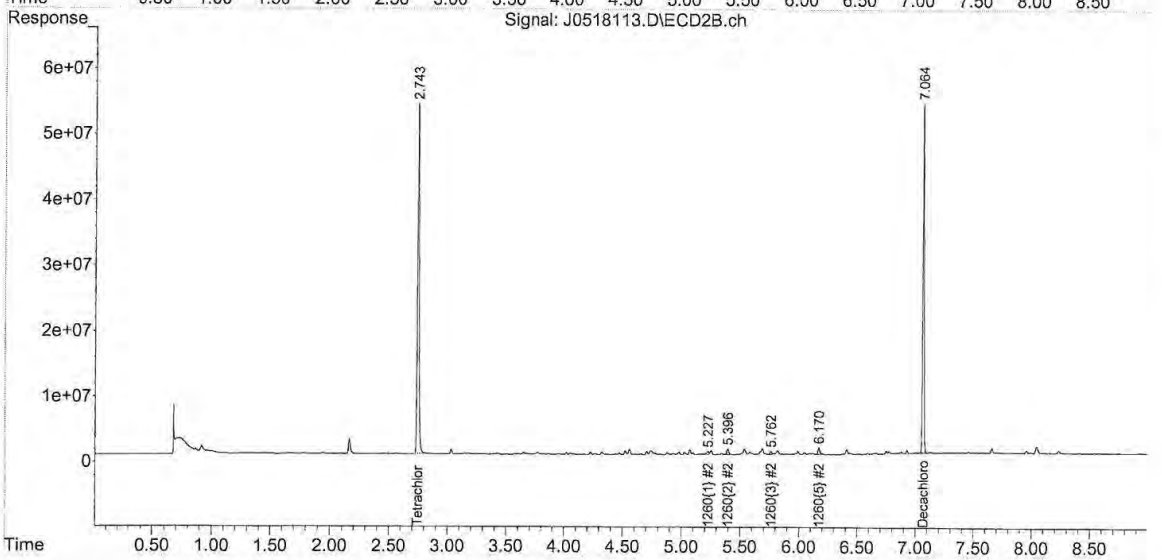
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051815\
Data File : J0518113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2015 8:24 pm
Operator : JMB
Sample : 15E0635-22@5X TBA Inst : ECD10
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 20 08:43:23 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-051515.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 :





10-1260-051515.M Wed May 20 18:10:24 2015

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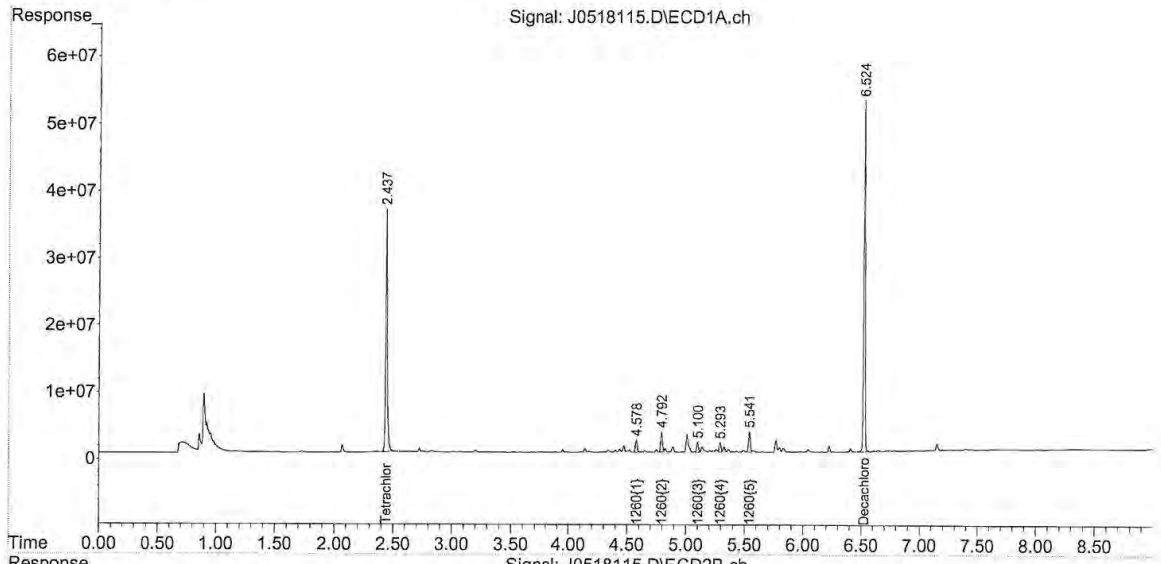
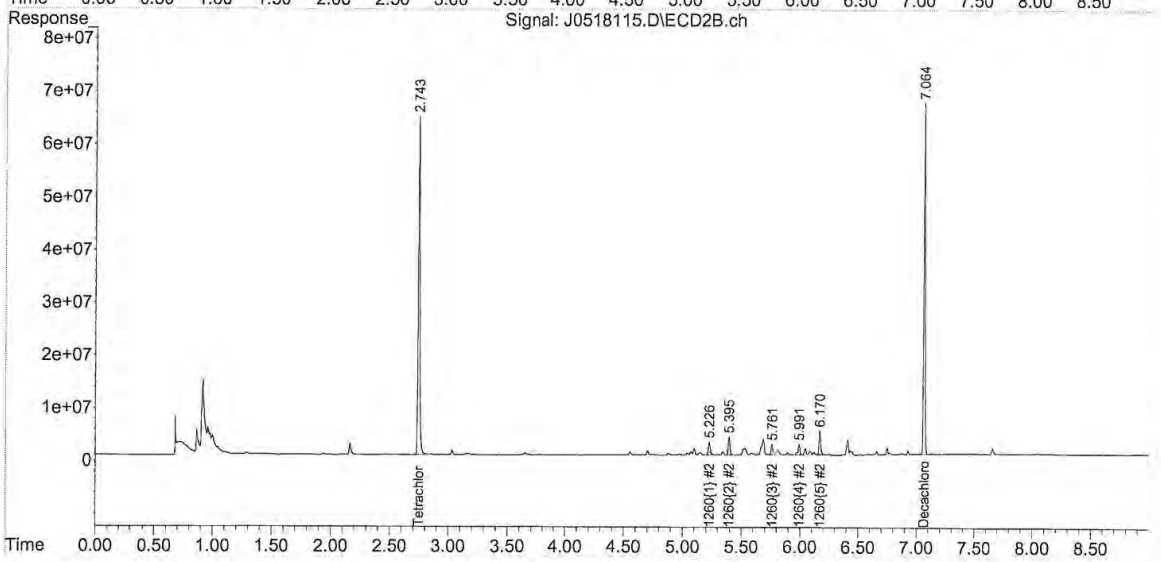
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\051815\
Data File : J0518115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2015 8:49 pm
Operator : JMB
Sample : 15E0635-24@5X TBA Inst : ECD10
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 20 08:43:29 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-051515.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 :





10-1260-051515.M Wed May 20 18:10:33 2015

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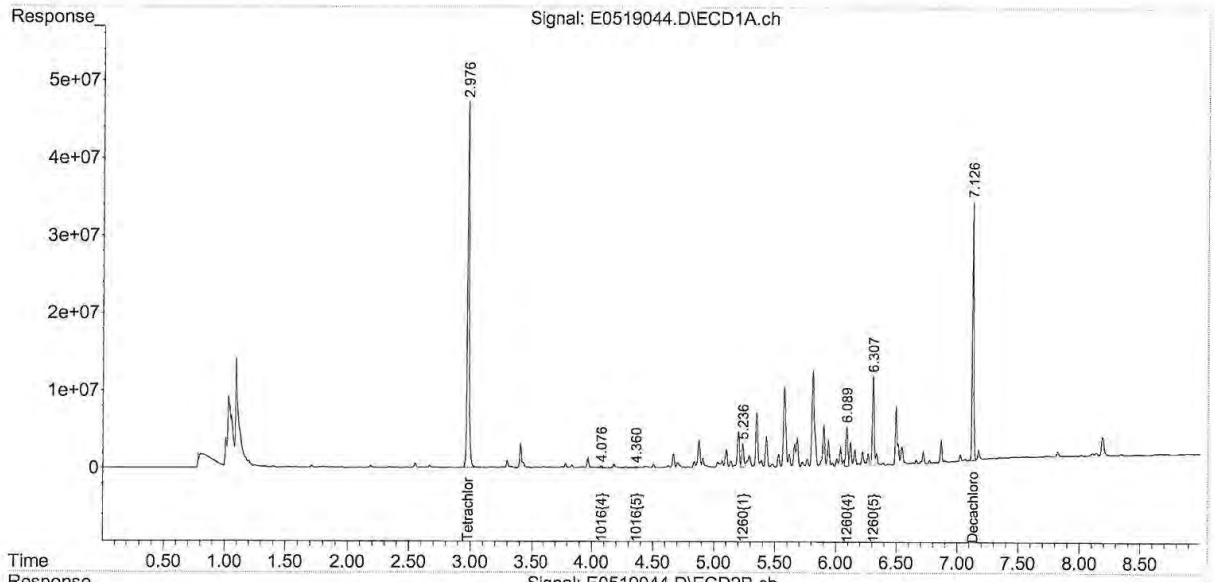
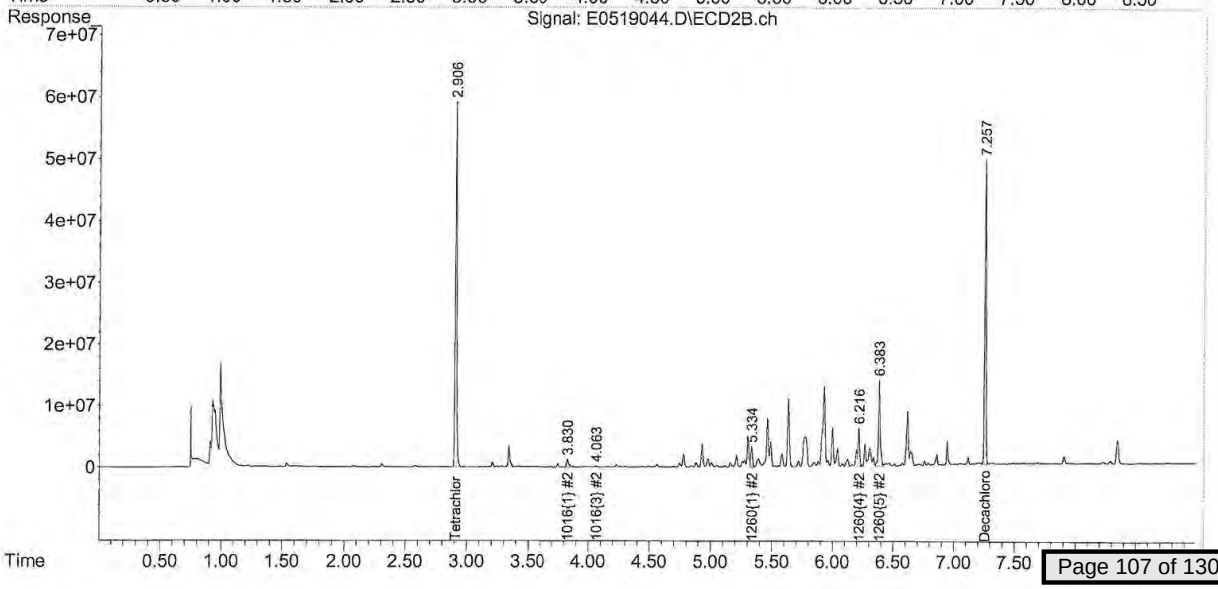
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519044.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2015 9:24 pm
Operator : JMB
Sample : 15E0635-02@5X TBA Inst : ECD 5
Misc :
ALS Vial : 44 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 18:52:22 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 :





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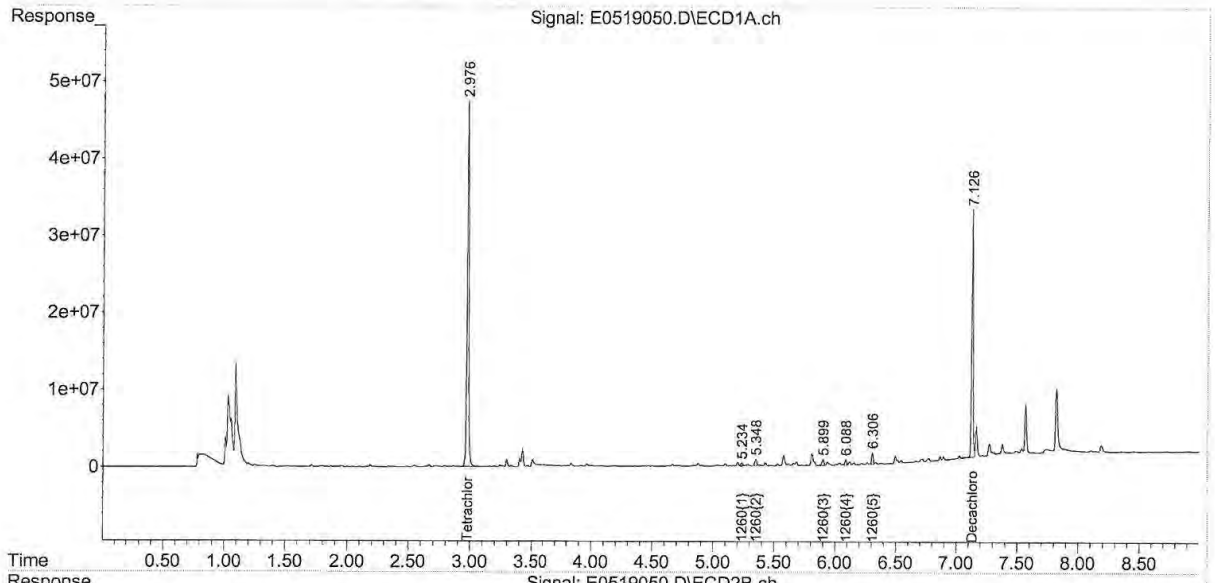
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519050.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 19 May 2015  10:40 pm
Operator  : JMB
Sample    : 15E0635-08@5X TBA                    Inst    : ECD 5
Misc      :
ALS Vial  : 50   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 08:16:37 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 :
```



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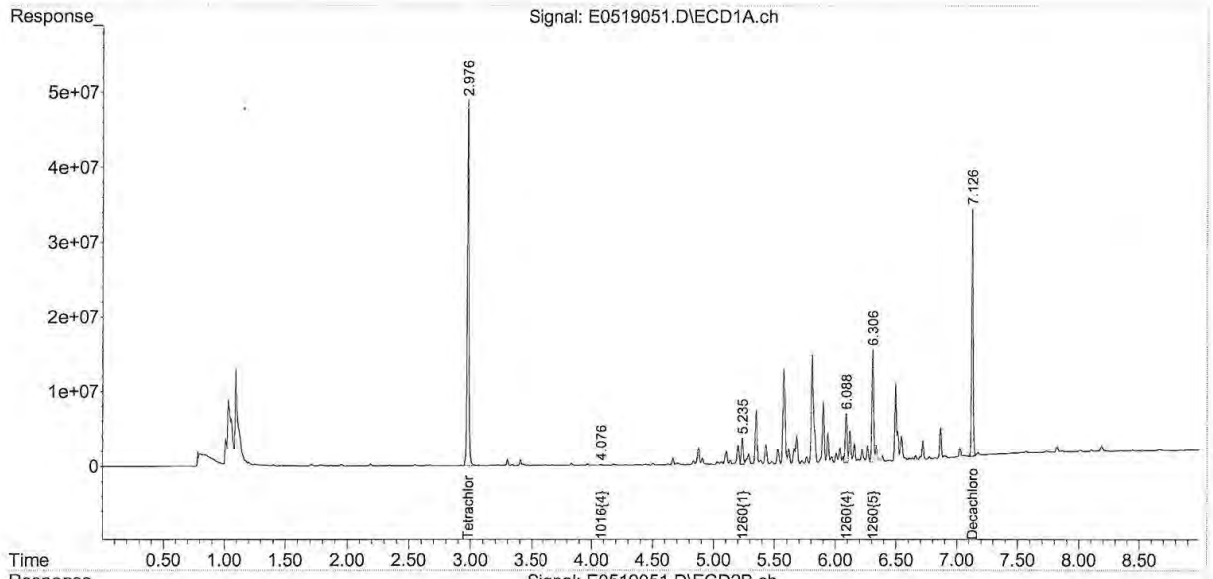
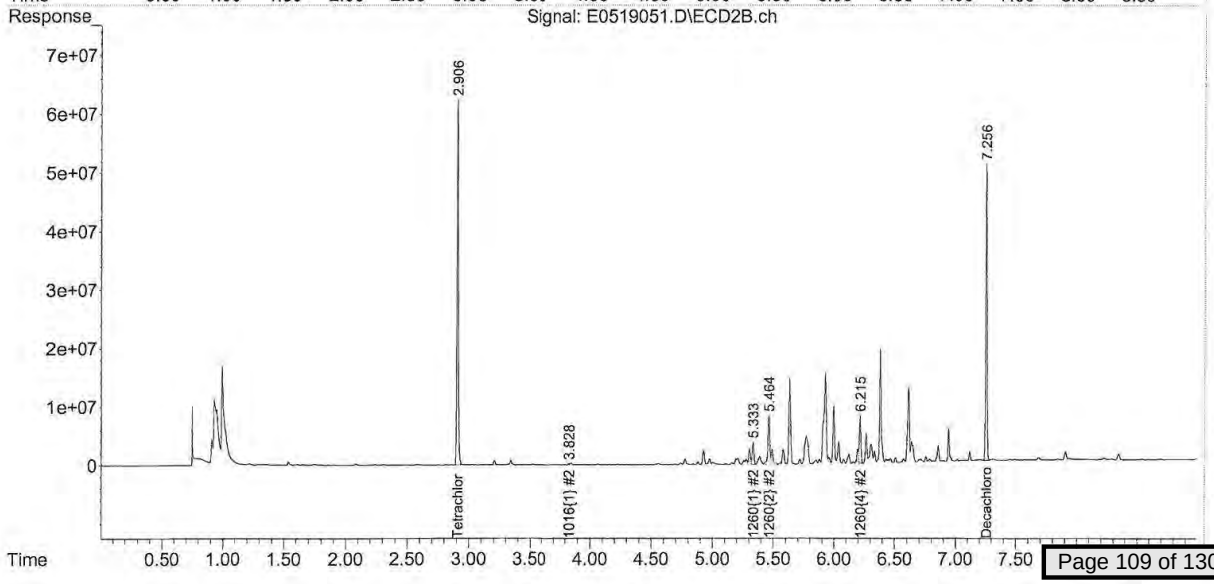
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519051.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 May 2015 10:53 pm
Operator : JMB
Sample : 15E0635-09@5X TBA Inst : ECD 5
Misc :
ALS Vial : 51 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 19:09:54 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 :





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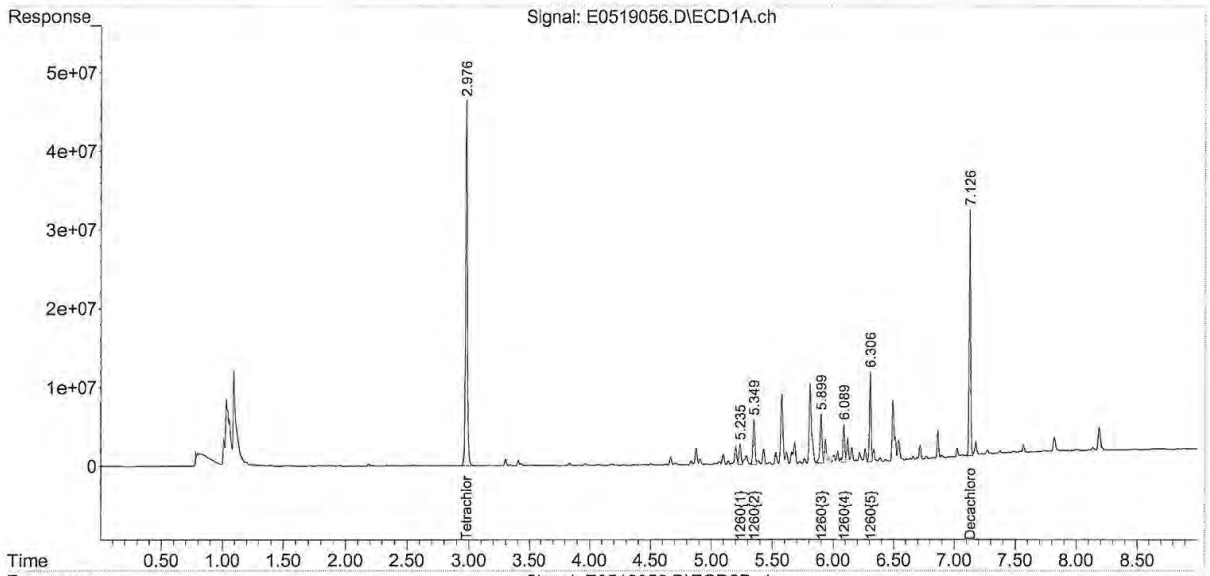
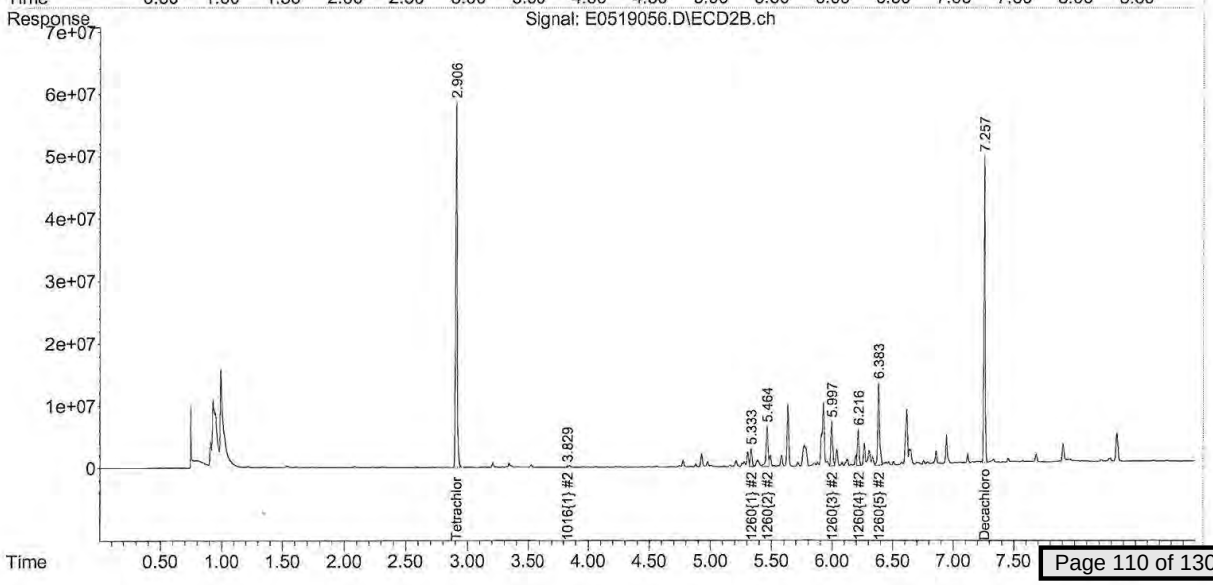
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519056.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 19 May 2015  11:56 pm
Operator  : JMB
Sample    : 15E0635-11@5X TBA                    Inst    : ECD 5
Misc      :
ALS Vial  : 56   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 08:17:07 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 :
```





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Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519057.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 20 May 2015  12:09 am
Operator  : JMB
Sample    : 15E0635-12@5X TBA                    Inst    : ECD 5
Misc      :
ALS Vial  : 57   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 19:14:31 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 :
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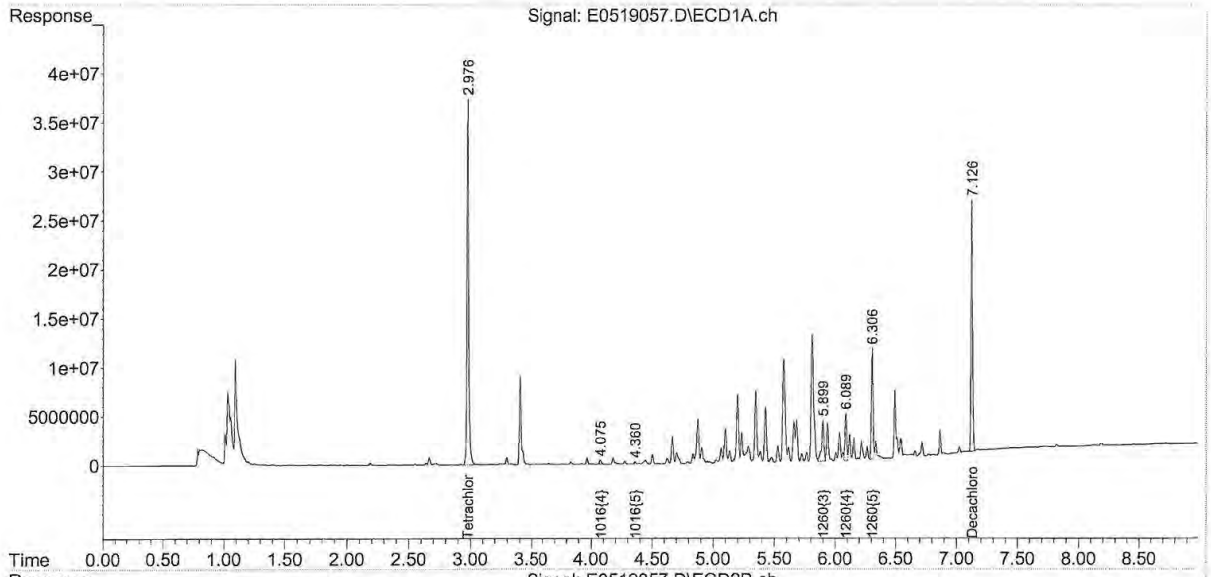

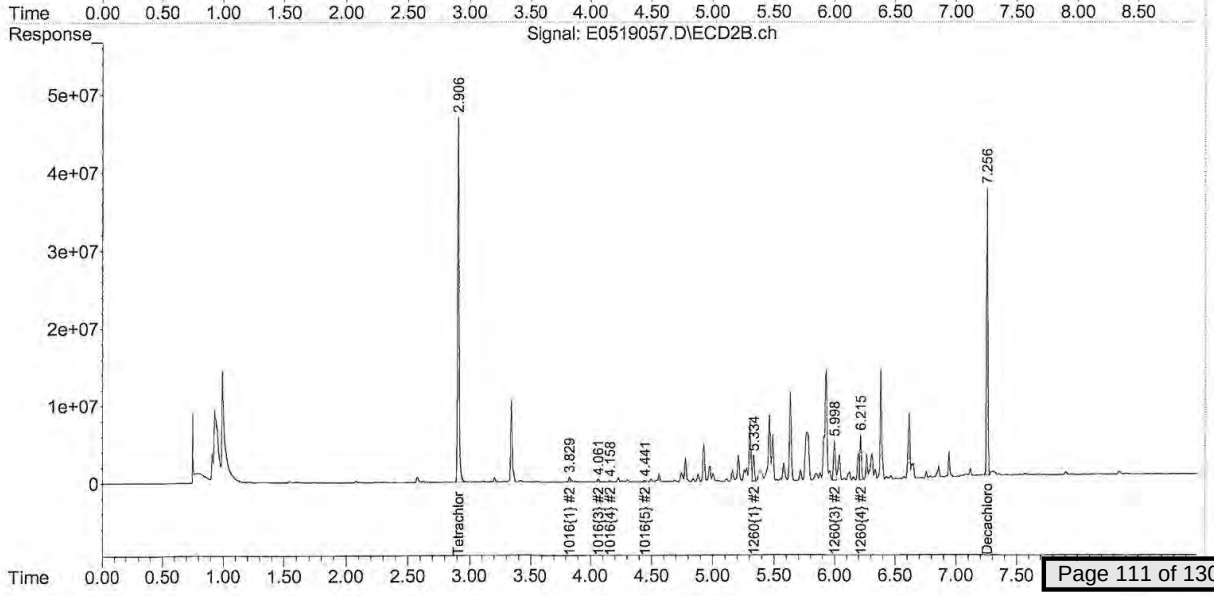

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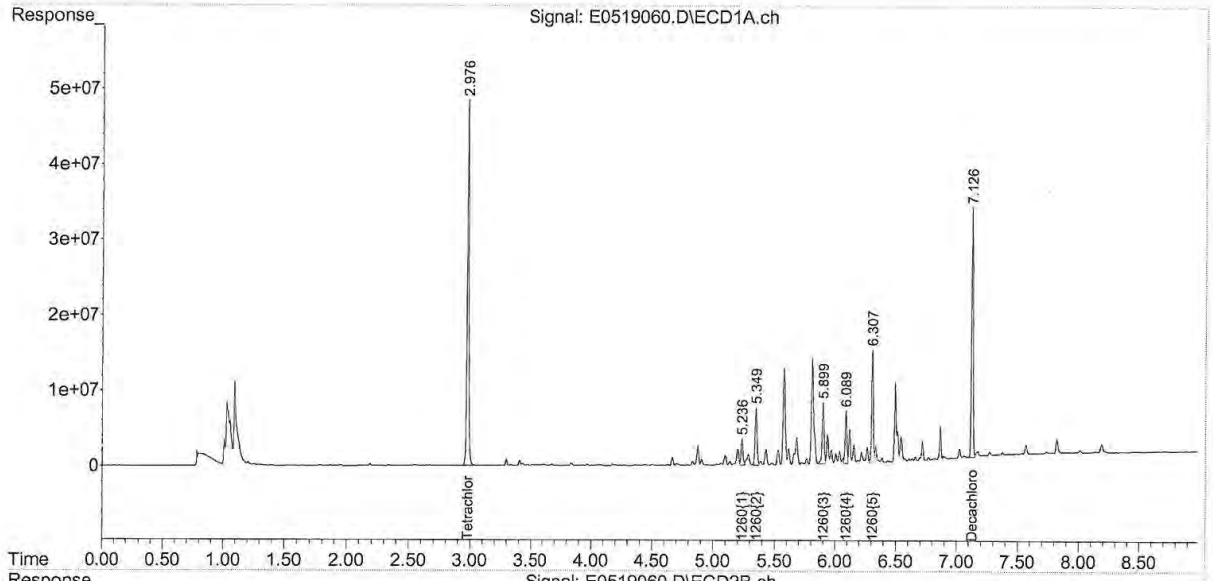
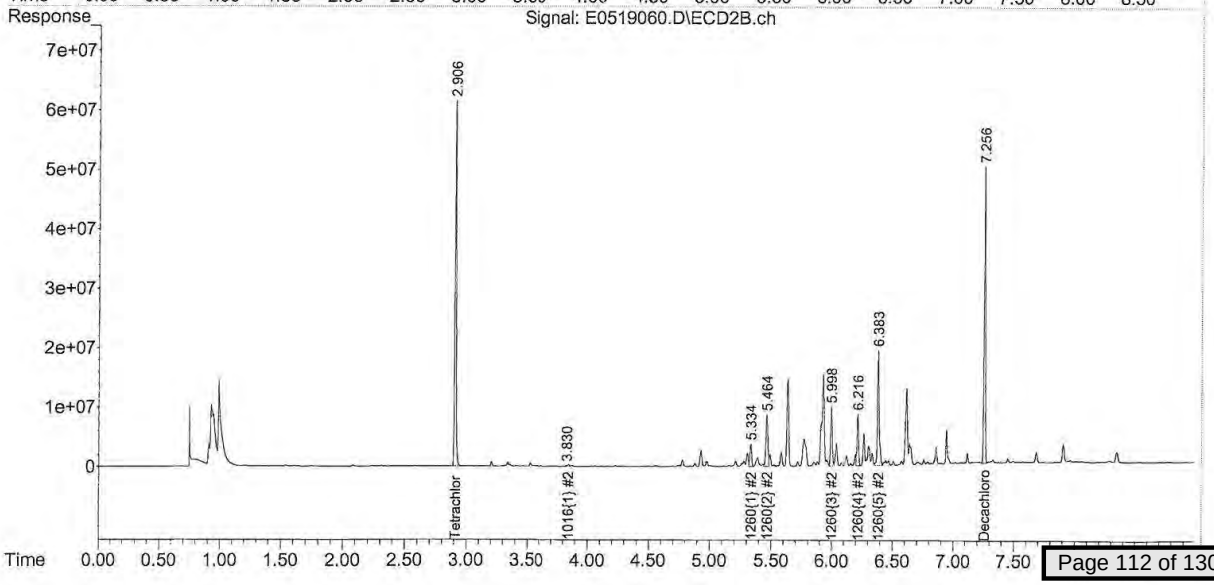
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519060.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 20 May 2015  12:47 am
Operator  : JMB
Sample    : 15E0635-15@5X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 60   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 08:17:27 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 :
```





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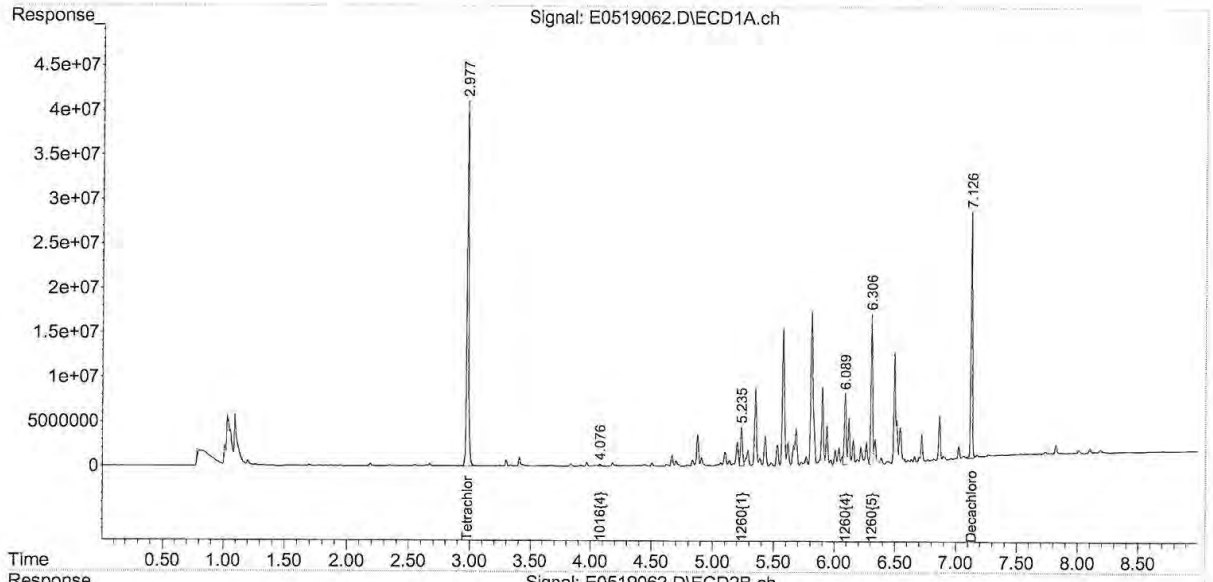
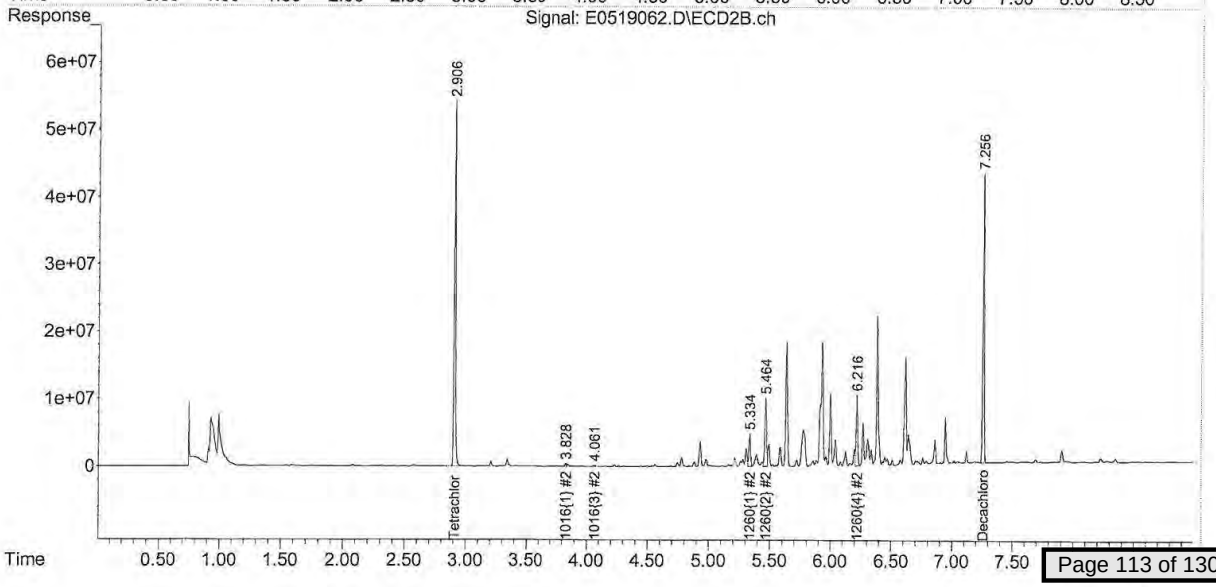
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519062.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 1:12 am
Operator : JMB
Sample : 15E0635-17@5X TBA Inst : ECD 5
Misc :
ALS Vial : 62 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 19:36:20 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 :





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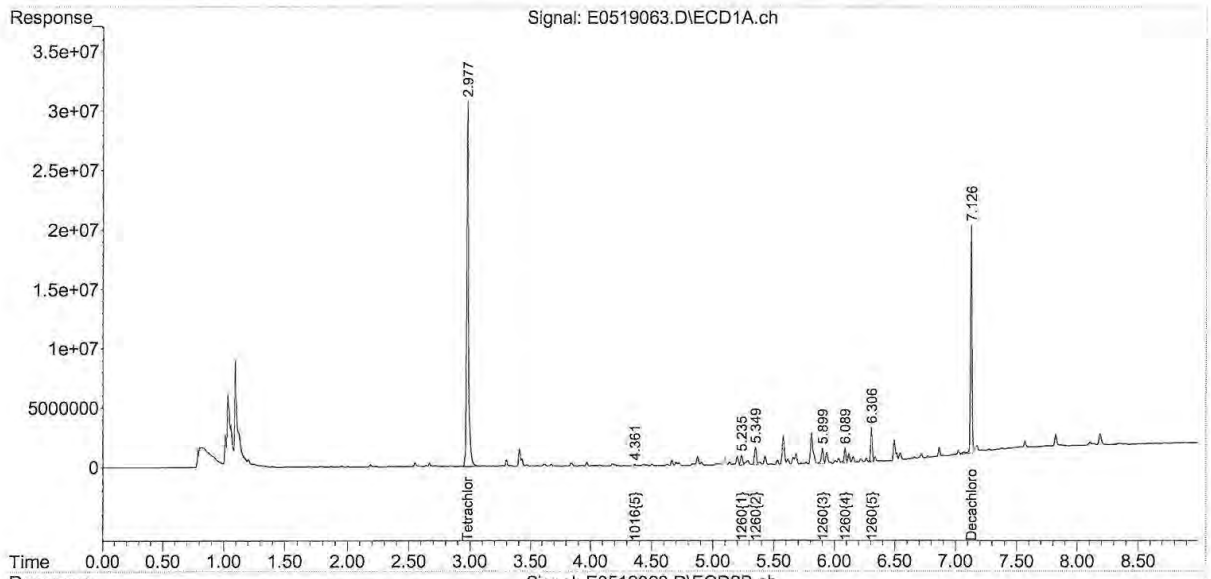
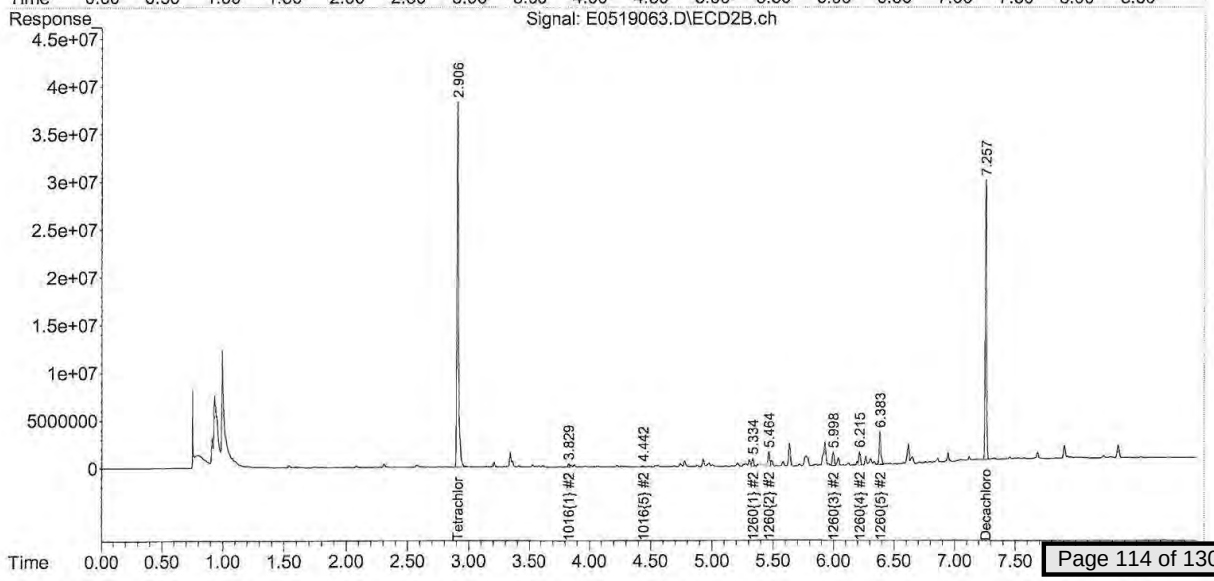
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519063.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 1:25 am
Operator : JMB
Sample : 15E0635-18@5X TBA Inst : ECD 5
Misc :
ALS Vial : 63 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 08:17:42 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 :





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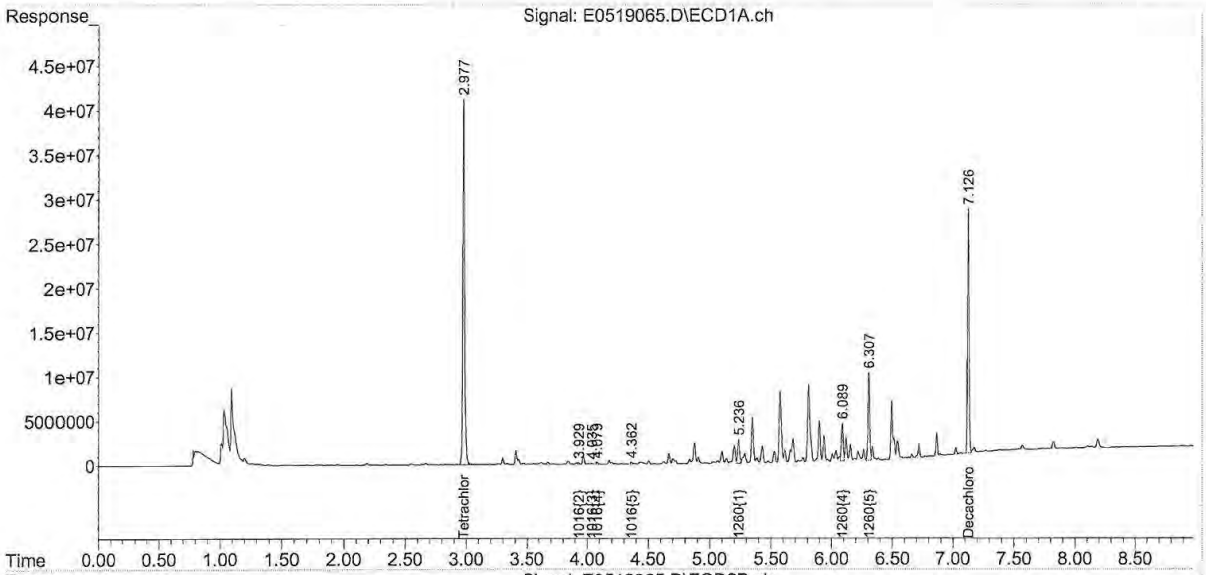
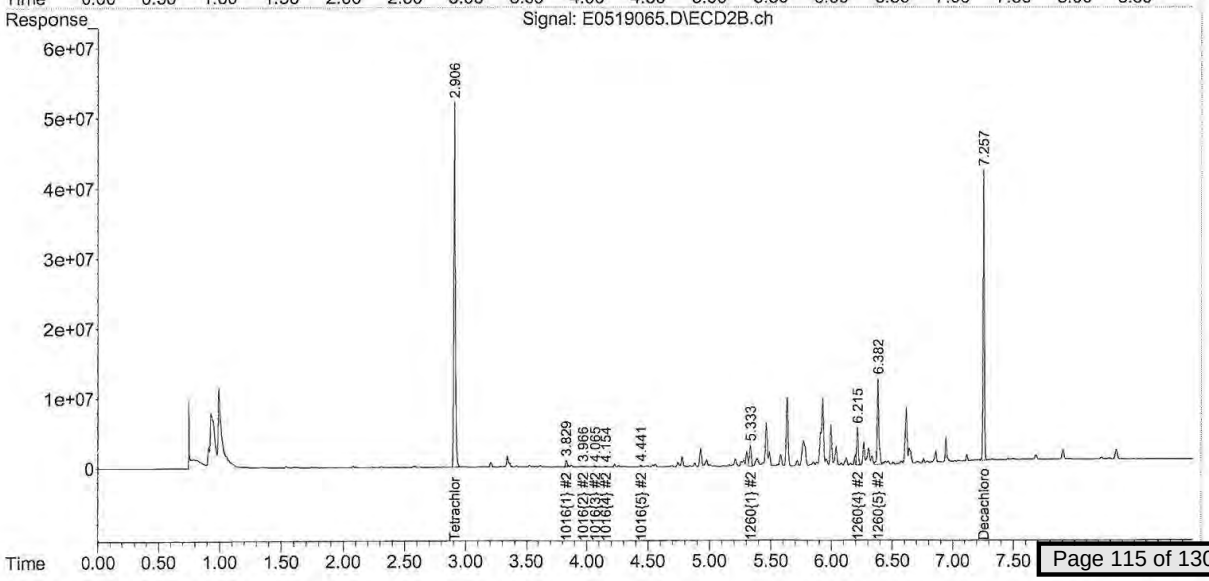
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519065.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 1:50 am
Operator : JMB
Sample : 15E0635-20@5X TBA Inst : ECD 5
Misc :
ALS Vial : 65 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 19:40:28 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 :





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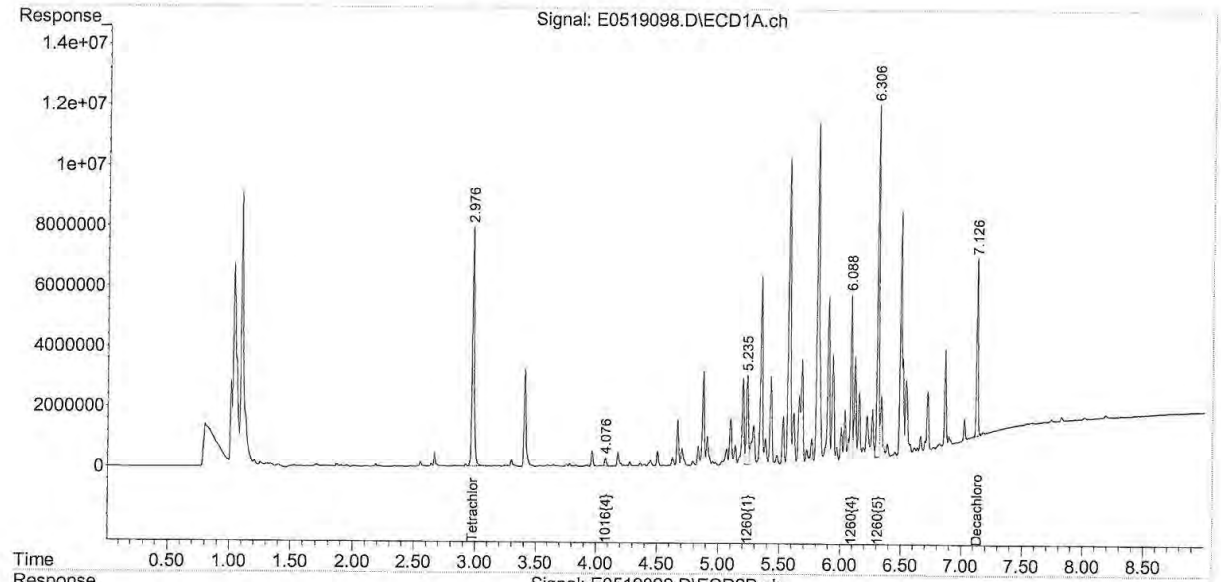
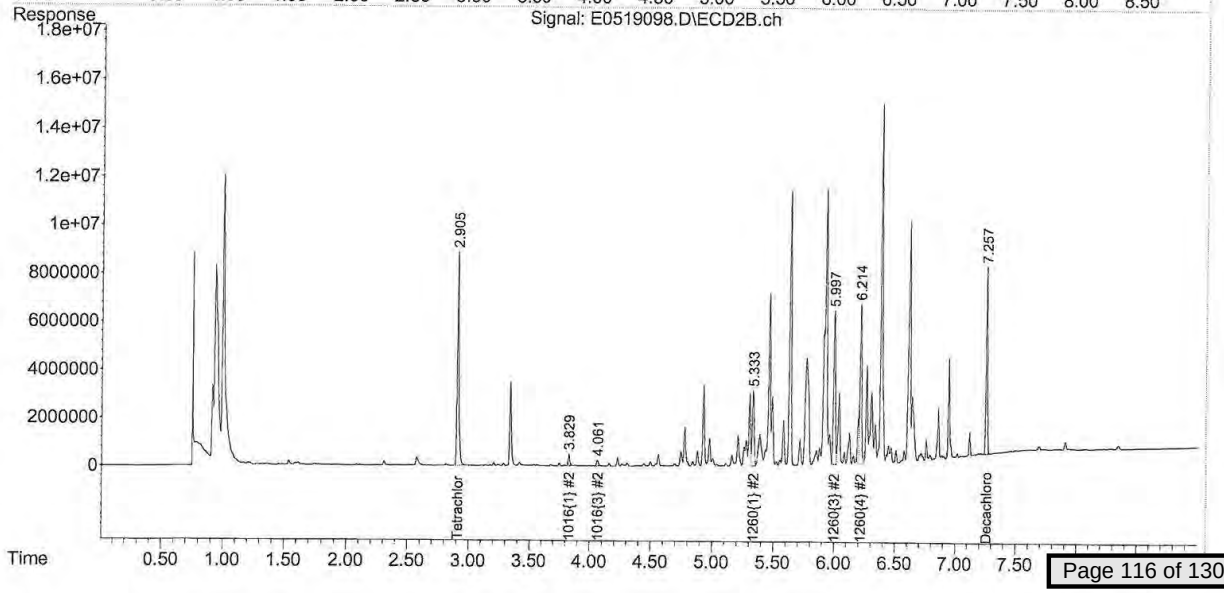
Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519098.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 20 May 2015  11:12 am
Operator  : JMB
Sample    : 15E0635-01@25X TBA                    Inst    : ECD 5
Misc      :
ALS Vial  : 98   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 20:36:11 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 :
```





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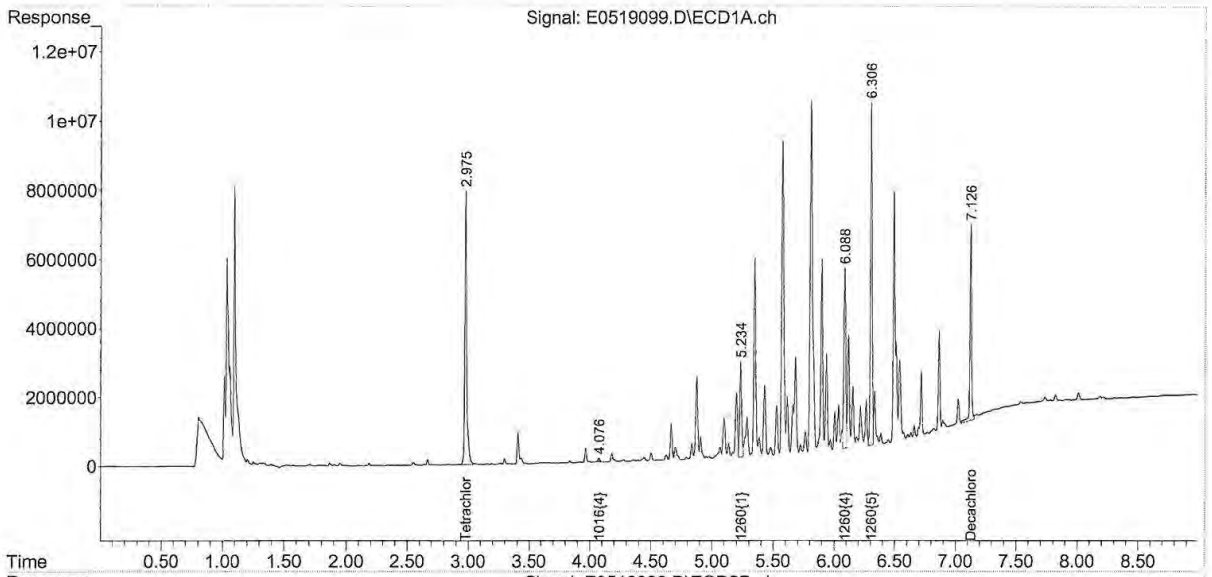
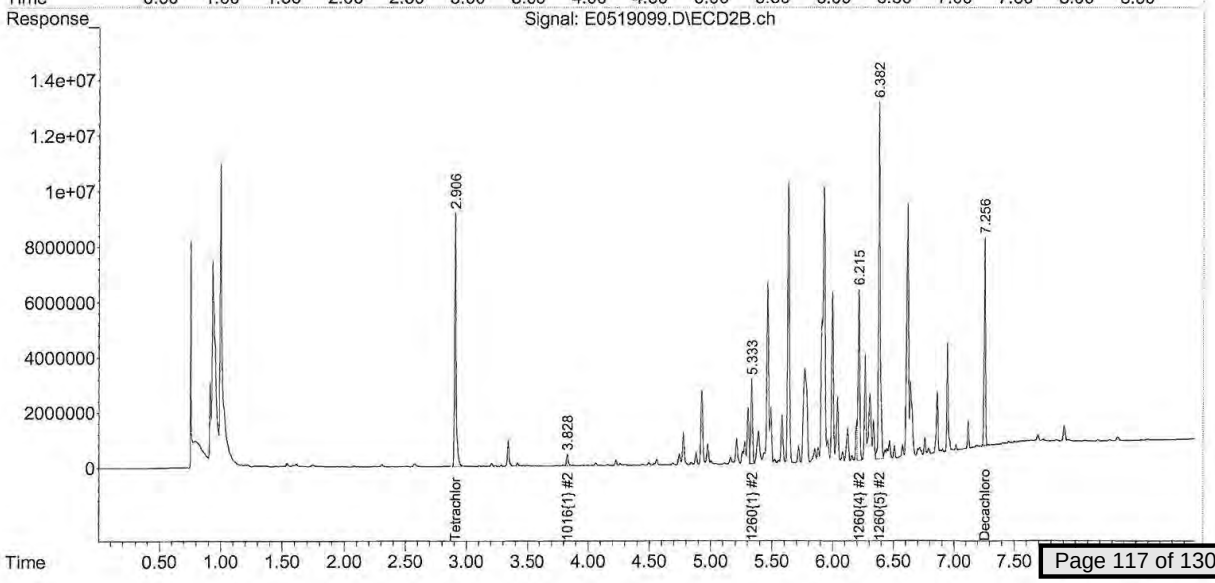
Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519099.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 20 May 2015  11:25 am
Operator  : JMB
Sample    : 15E0635-03@20X TBA                    Inst    : ECD 5
Misc      :
ALS Vial  : 1   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 20:38:04 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 :
```





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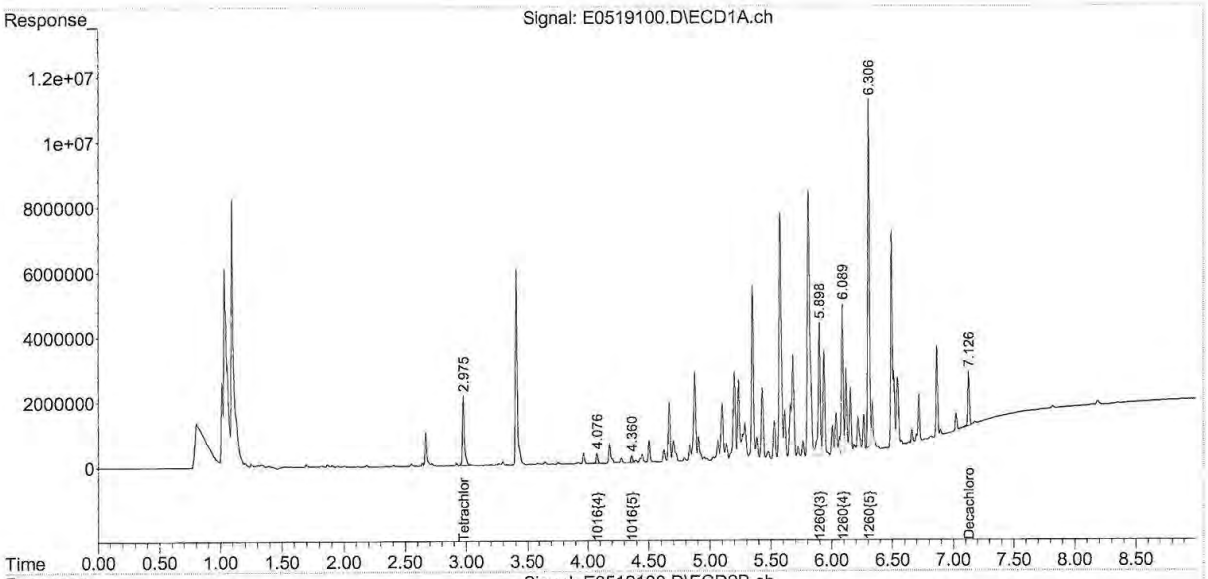
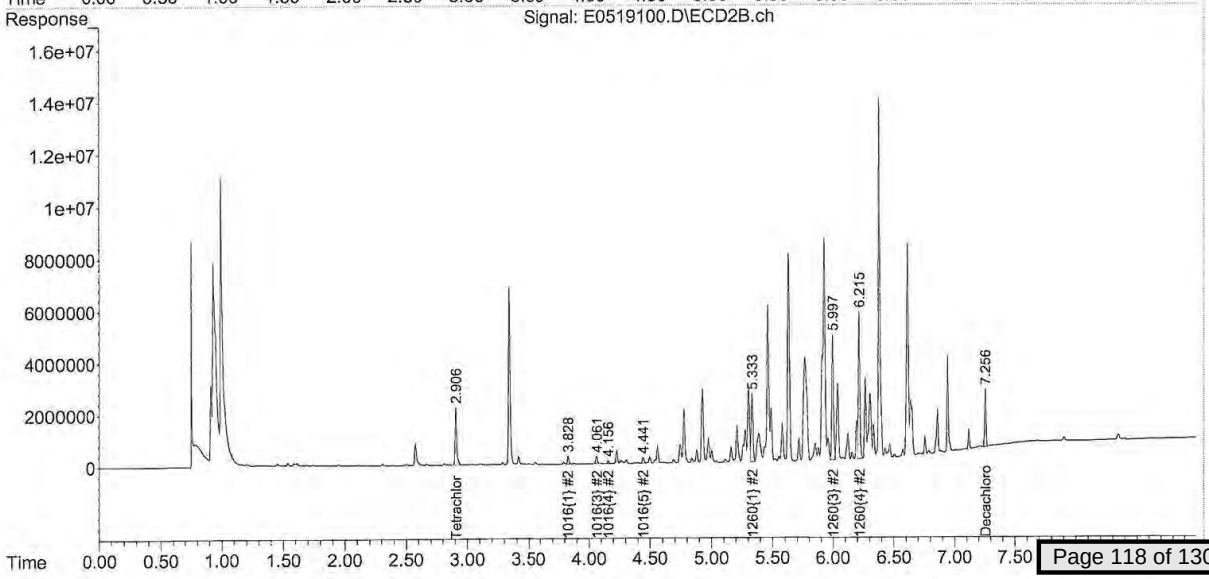
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519100.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 11:37 am
Operator : JMB
Sample : 15E0635-04@100X TBA Inst : ECD 5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 20:40:33 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 :





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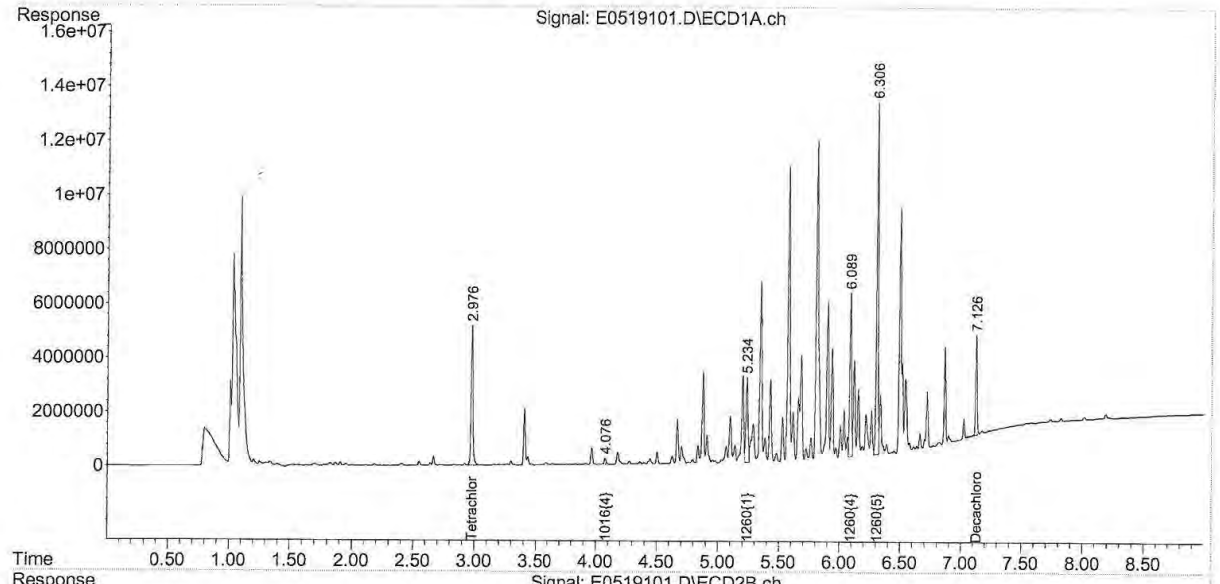
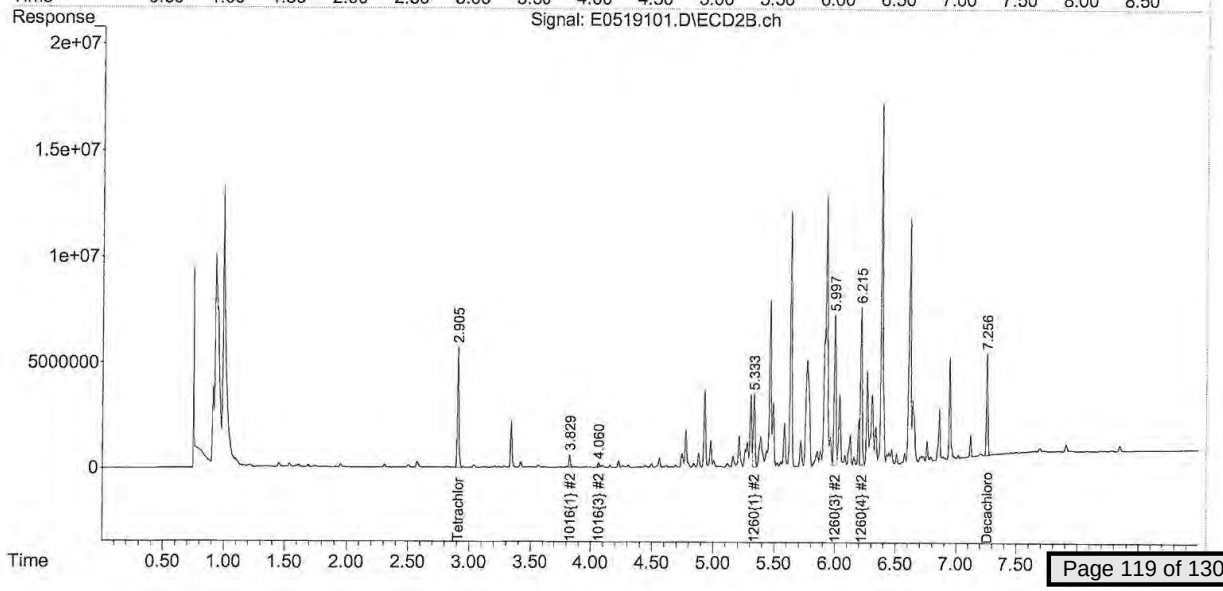
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519101.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 11:50 am
Operator : JMB
Sample : 15E0635-05@50X TBA Inst : ECD 5
Misc :
ALS Vial : 3 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 20:45:09 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 :





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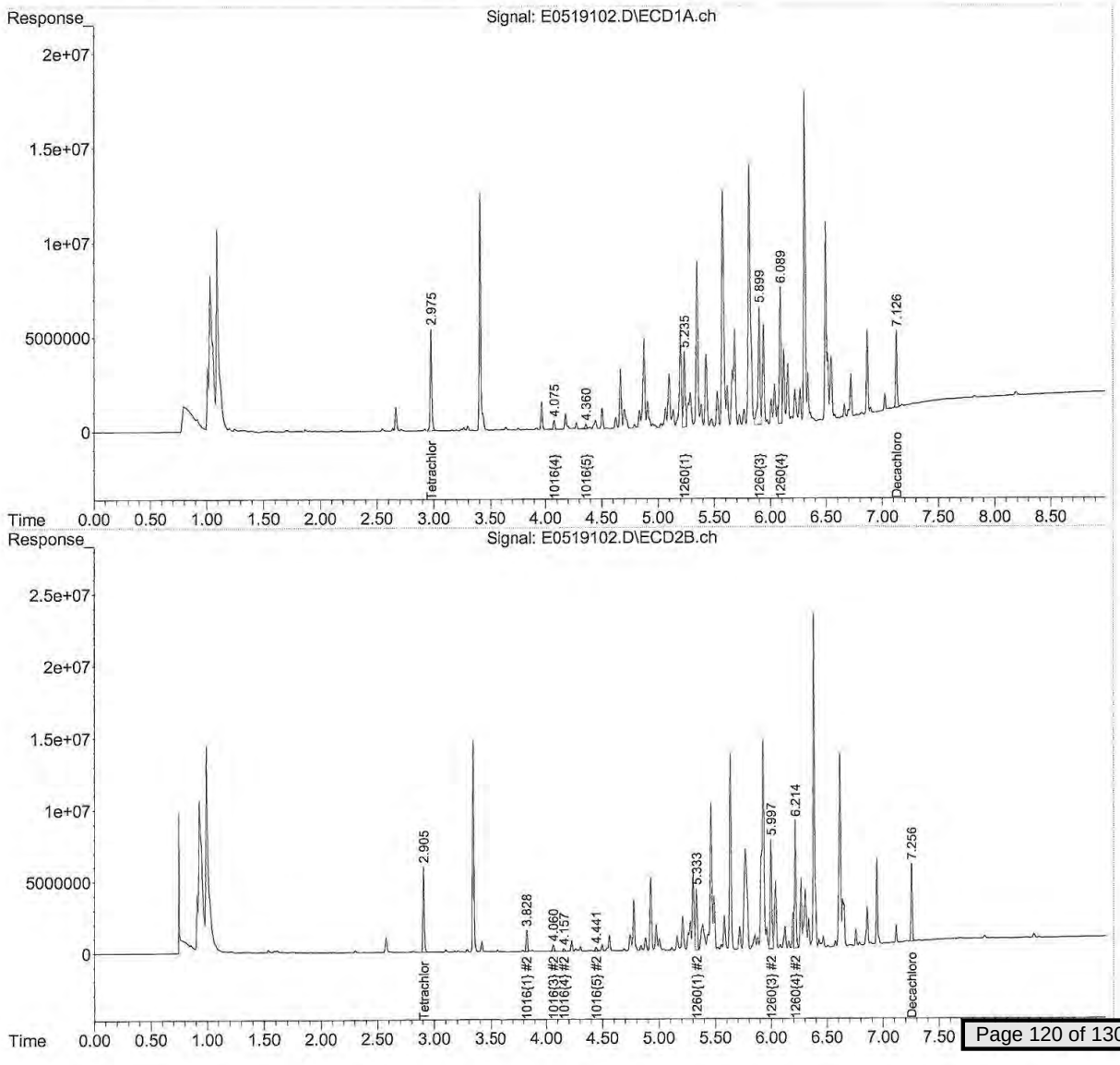
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519102.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 12:03 pm
Operator : JMB
Sample : 15E0635-06@50X TBA Inst : ECD 5
Misc :
ALS Vial : 4 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 20:48:32 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 :



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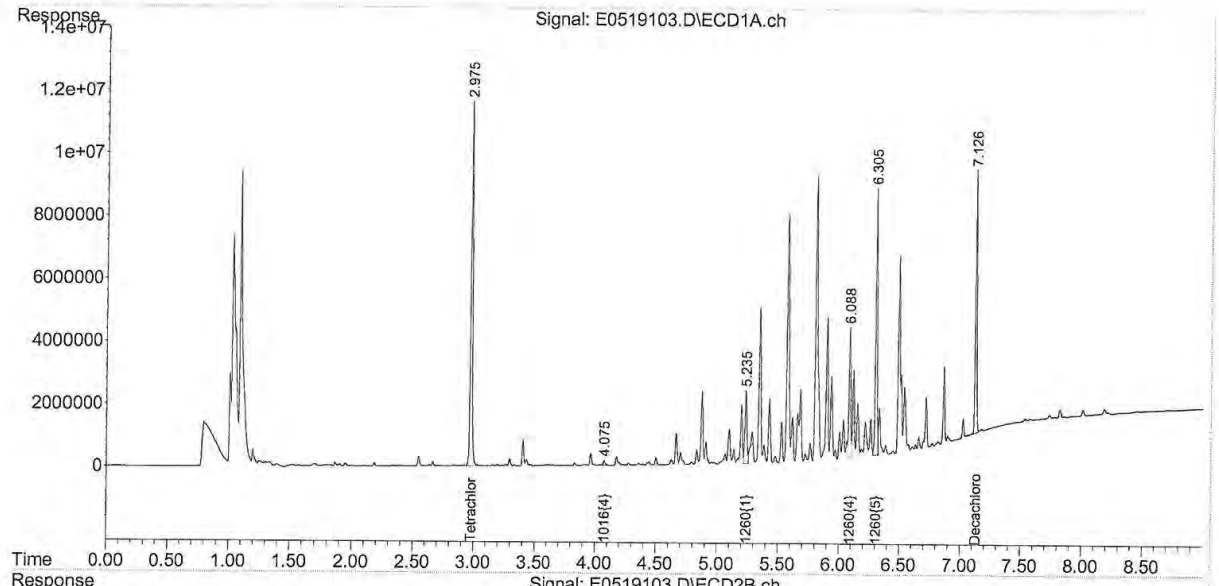
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519103.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 12:15 pm
Operator : JMB
Sample : 15E0635-07@20X TBA Inst : ECD 5
Misc :
ALS Vial : 5 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 20:51:57 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 :



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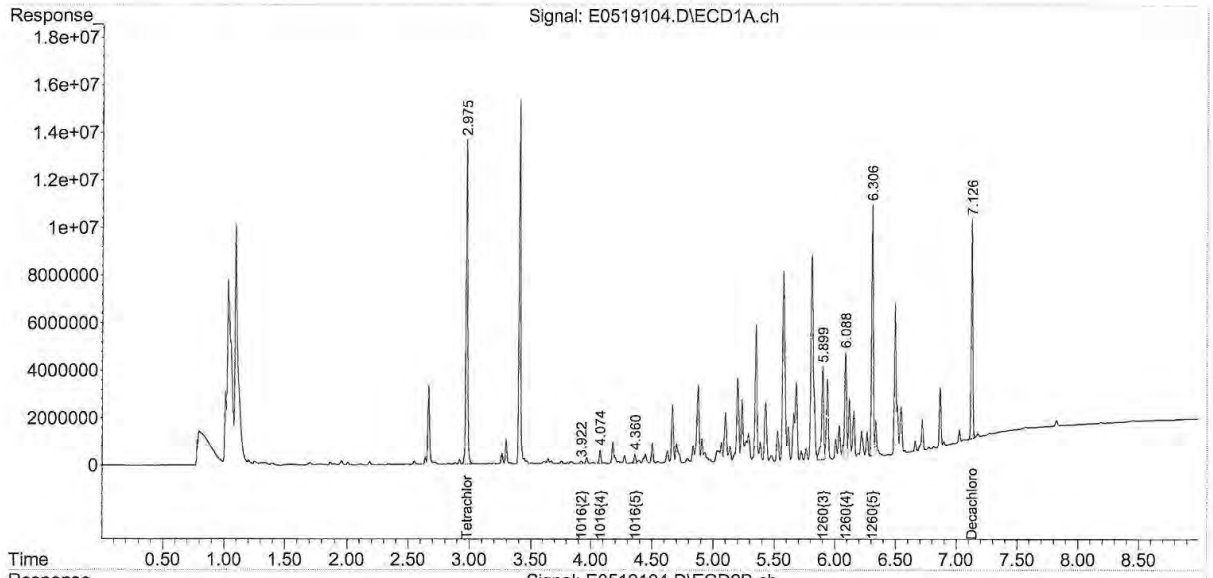
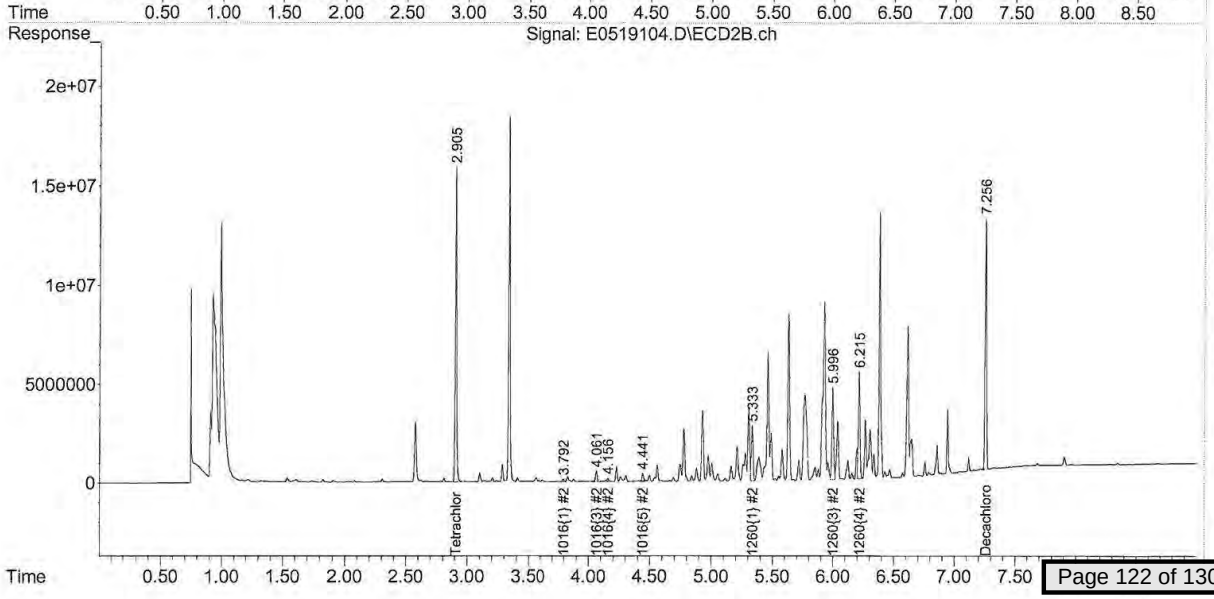
Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519104.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 20 May 2015  12:28 pm
Operator  : JMB
Sample    : 15E0635-10@20X TBA                    Inst    : ECD 5
Misc      :
ALS Vial  : 6   Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 20:54:34 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 :
```





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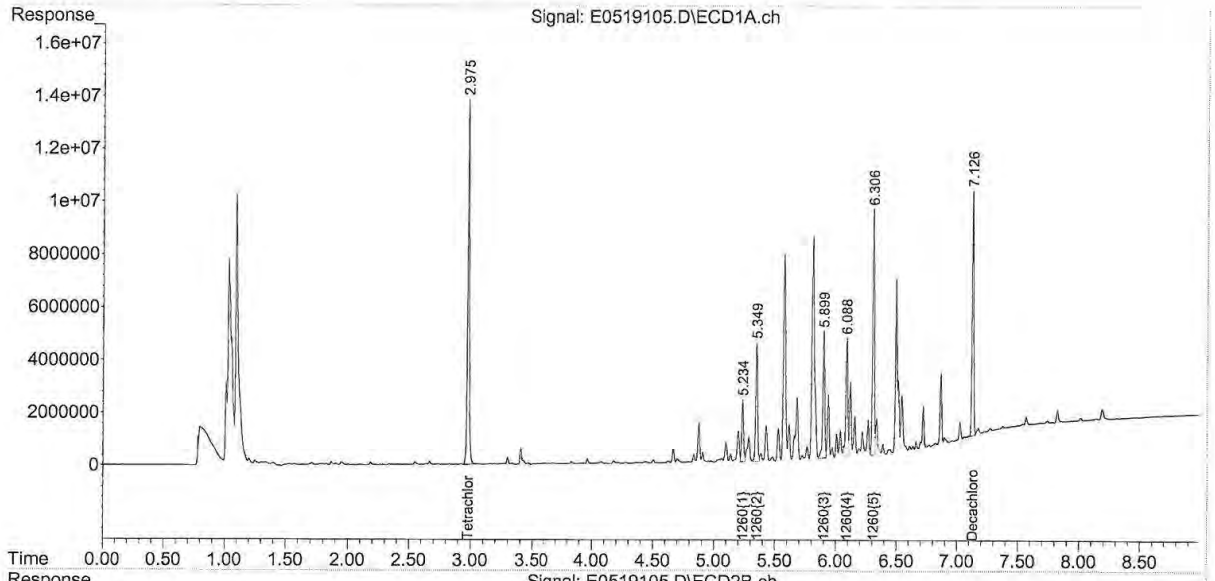
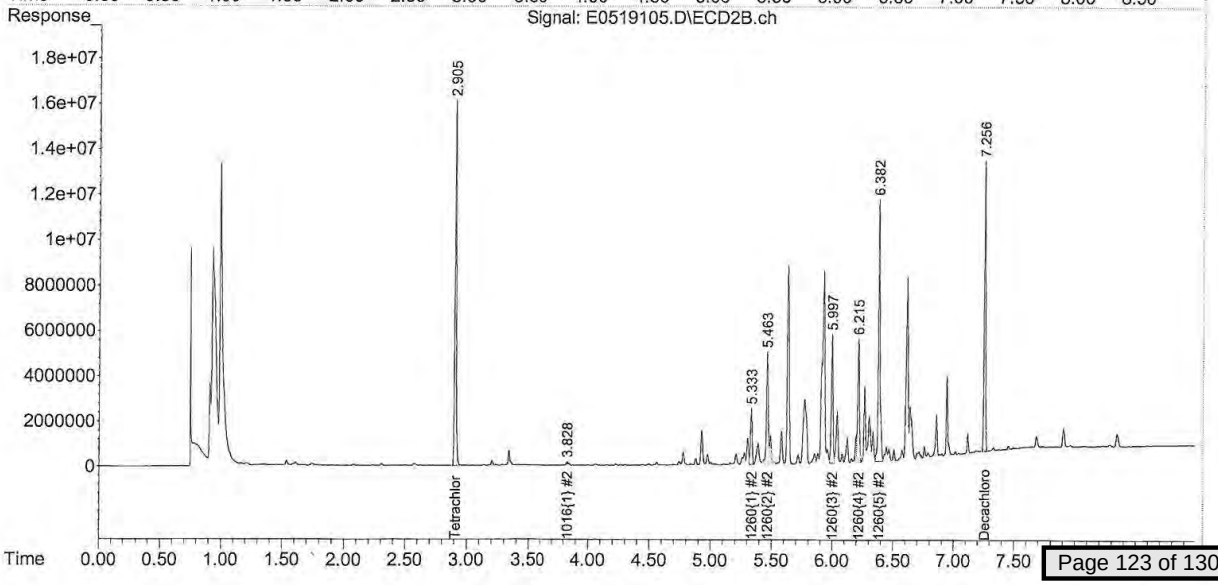
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519105.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 12:41 pm
Operator : JMB
Sample : 15E0635-13@20X TBA Inst : ECD 5
Misc :
ALS Vial : 7 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 20:06:17 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 :





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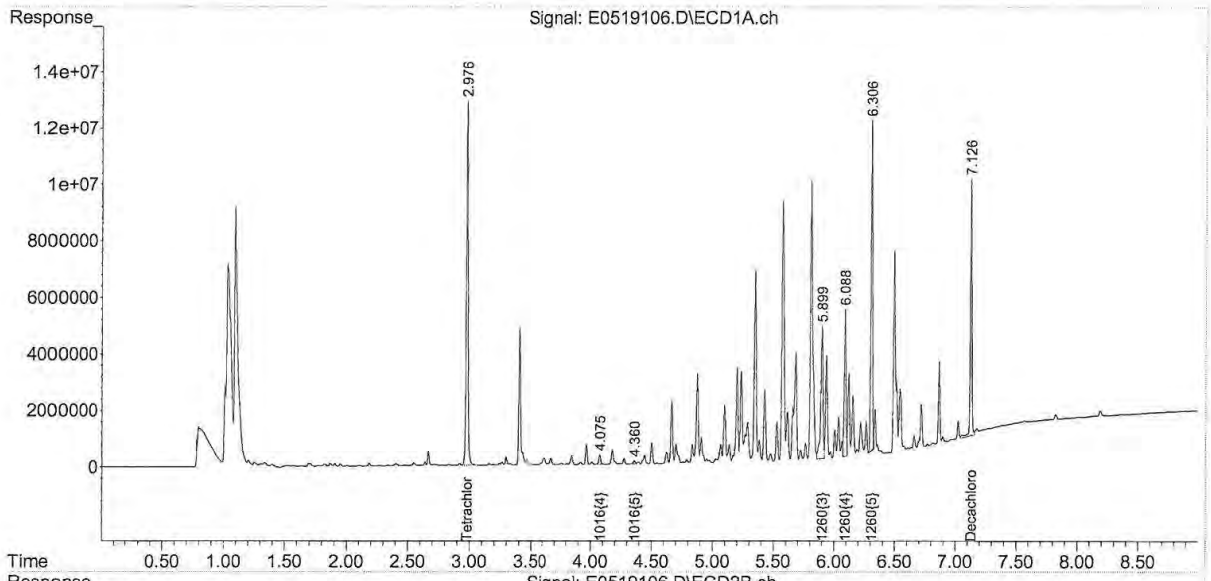
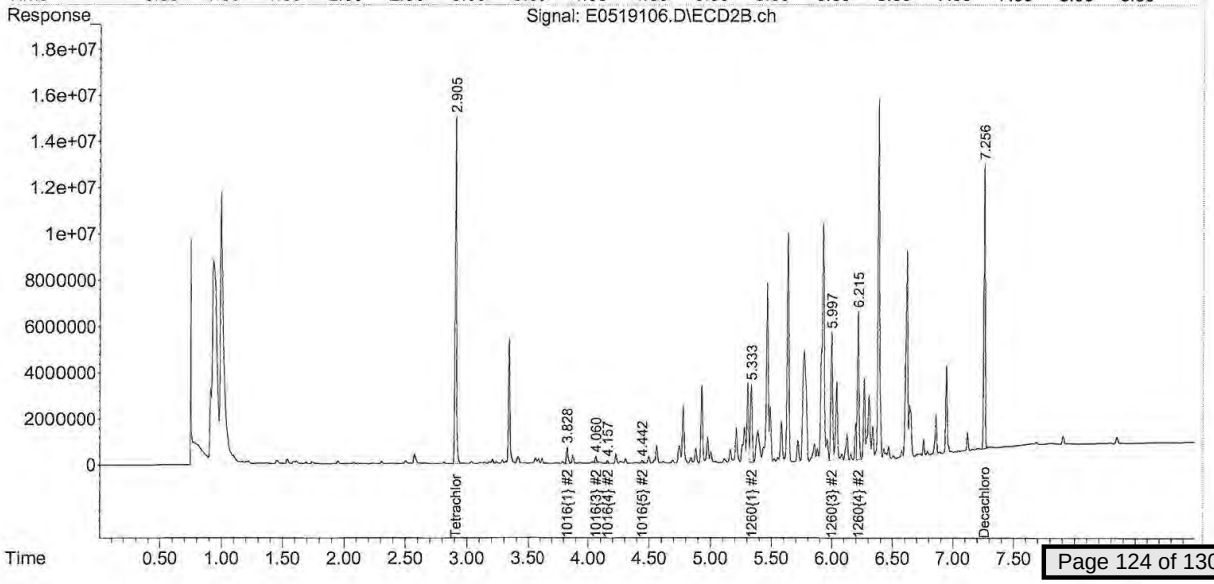
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 12:53 pm
Operator : JMB
Sample : 15E0635-14@20X TBA Inst : ECD 5
Misc :
ALS Vial : 8 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 20:57:43 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 :





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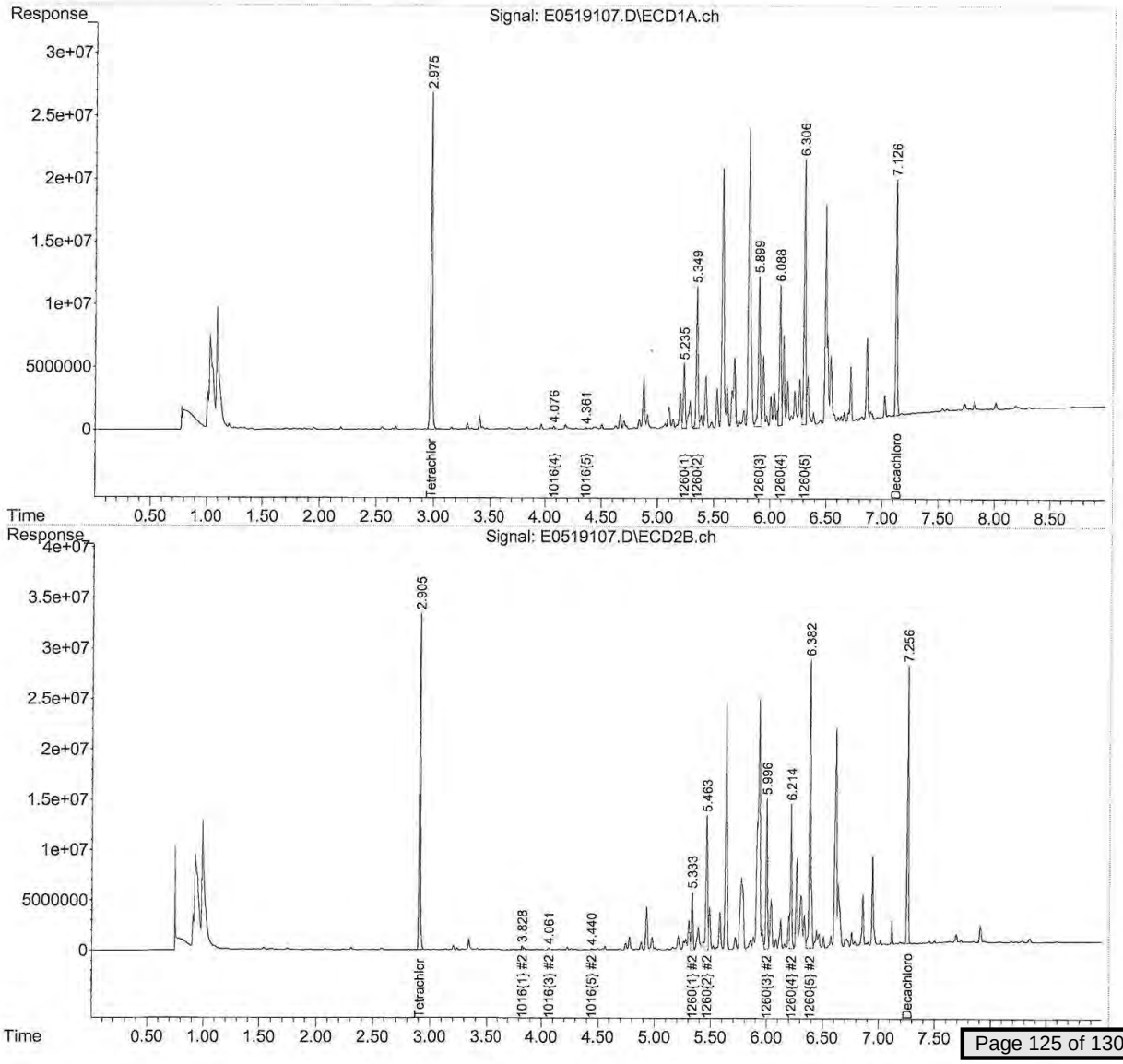
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519107.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 1:06 pm
Operator : JMB
Sample : 15E0635-19@10X TBA Inst : ECD 5
Misc :
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 20:06:27 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 :



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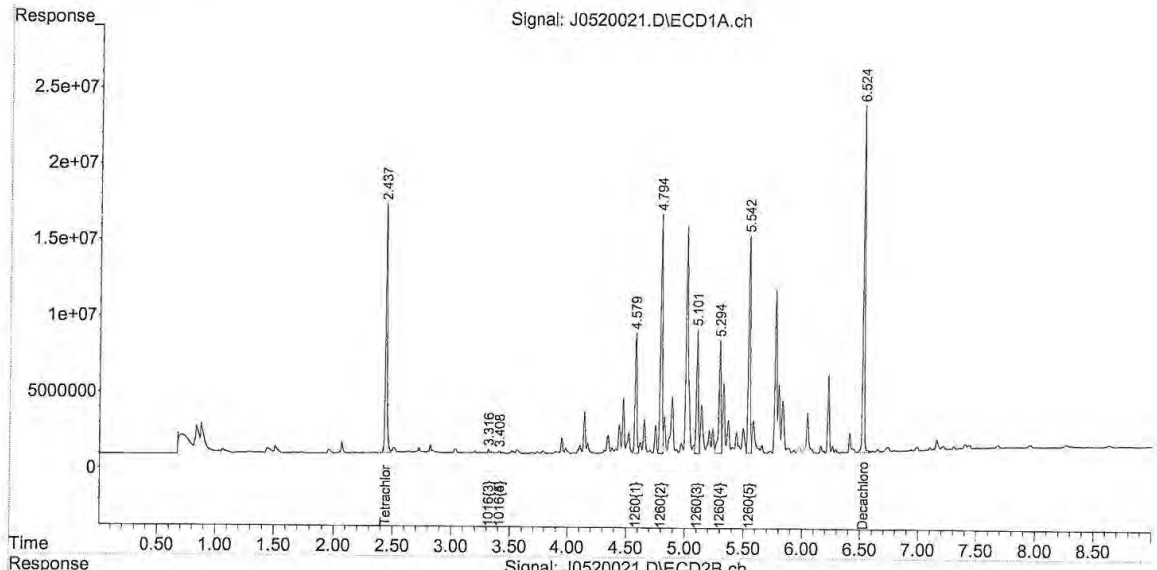
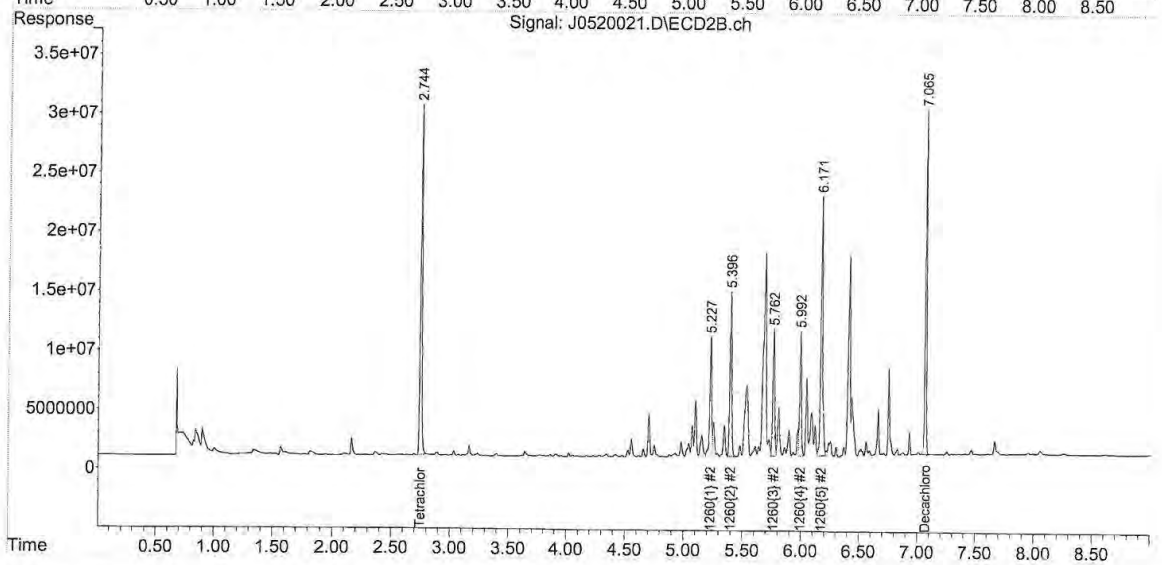
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\052015\
Data File : J0520021.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 1:22 pm
Operator : JMB
Sample : 15E0635-23@10X TBA Inst : ECD10
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 20 14:18:01 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-051515.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 :





10-1260-051515.M Wed May 20 22:50:56 2015

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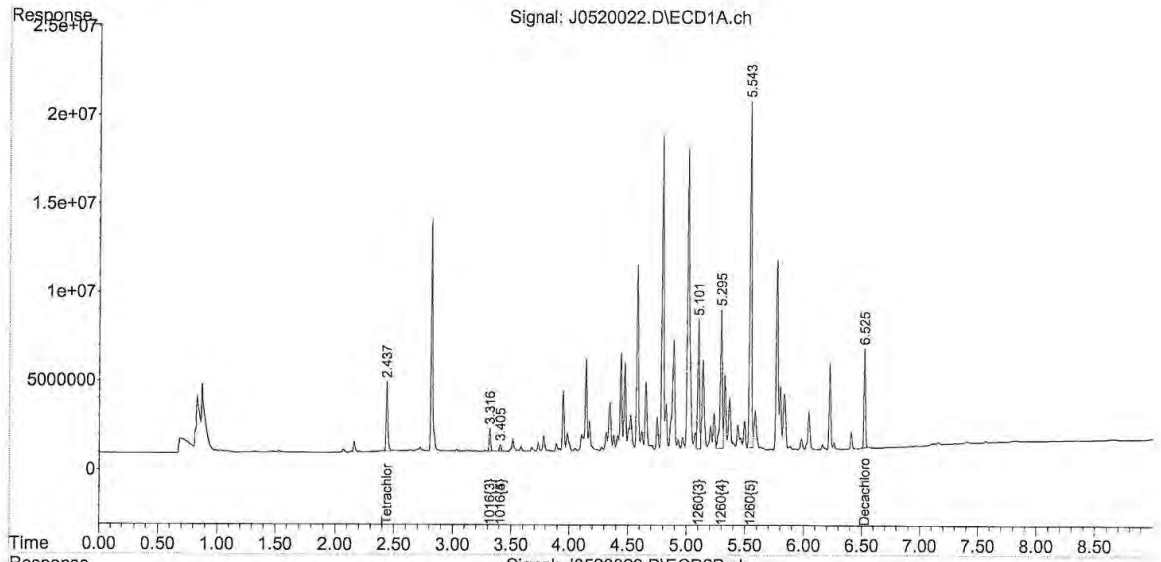
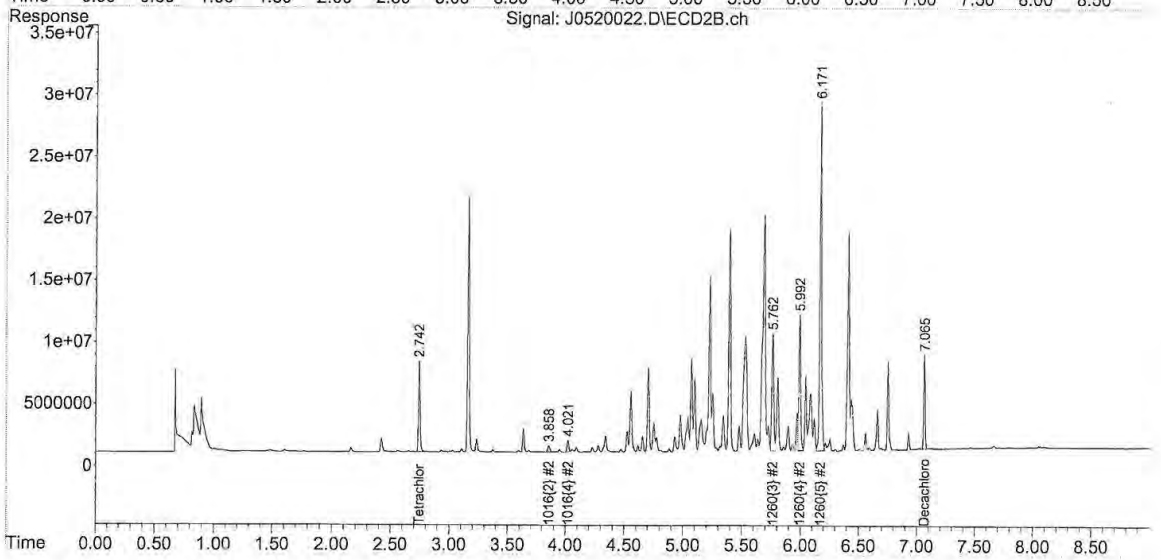
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052015\
Data File : J0520022.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 1:34 pm
Operator : JMB
Sample : 15E0635-25@50X TBA Inst : ECD10
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 20 22:41:57 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-051515.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 :





10-1260-051515.M Wed May 20 22:51:00 2015

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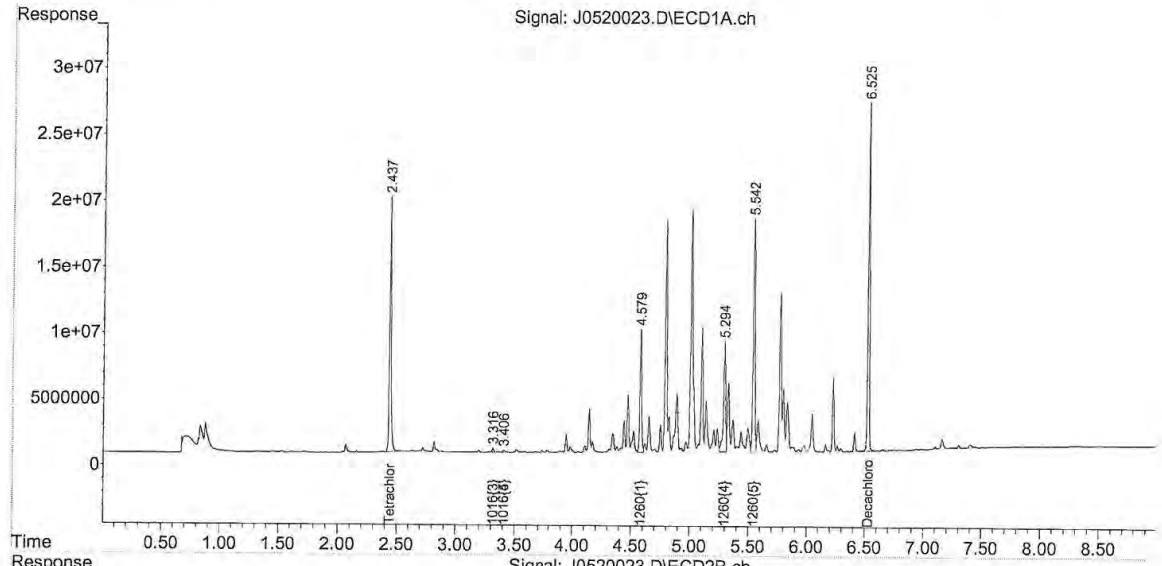
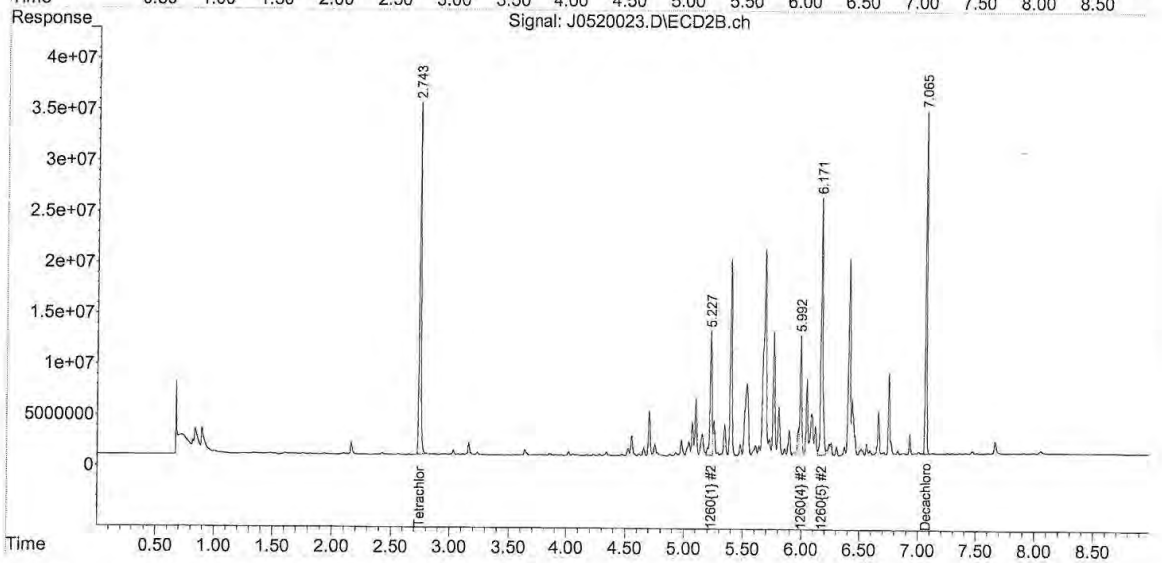
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052015\
Data File : J0520023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 1:46 pm
Operator : JMB
Sample : 15E0635-26@10X TBA Inst : ECD10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 20 22:43:47 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-051515.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 :





10-1260-051515.M Wed May 20 22:51:03 2015

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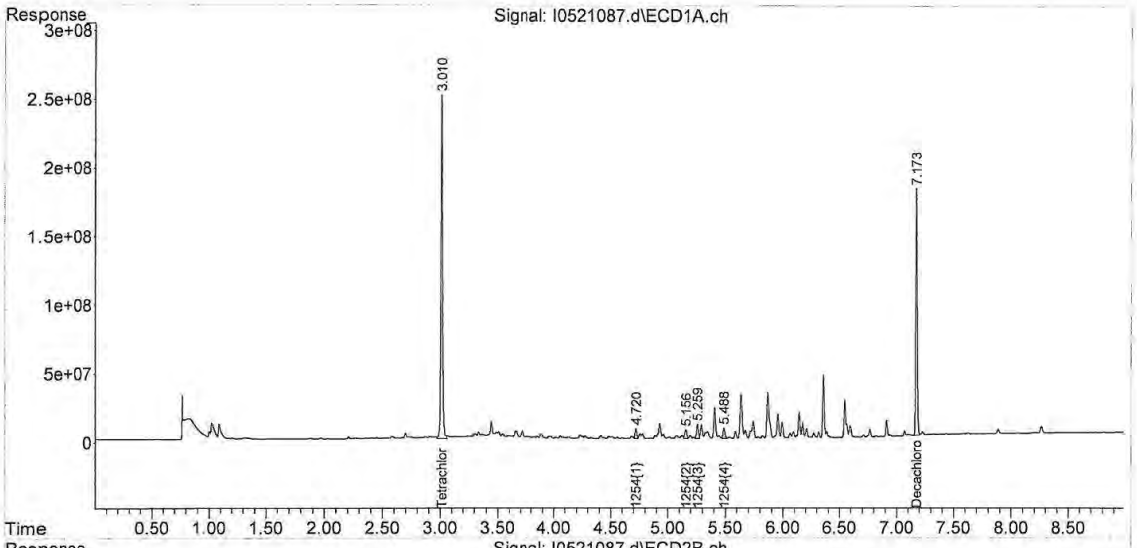
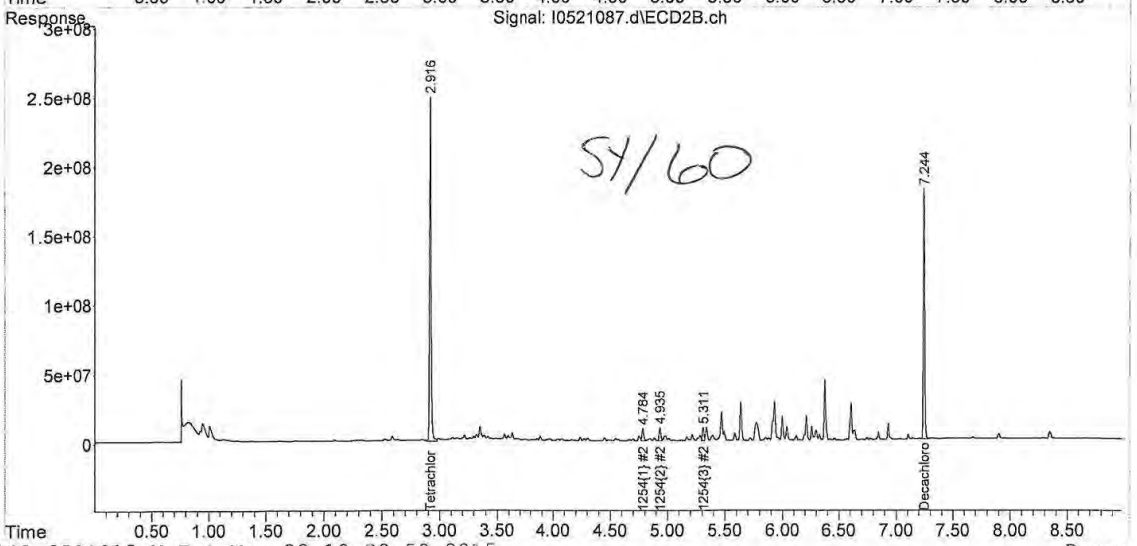
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052115\
Data File : I0521087.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 May 2015 9:25 am
Operator : JMB
Sample : 15E0635-16RE1@5X TBA Inst : ECD 9
Misc :
ALS Vial : 87 Sample Multiplier: 1

Integration File signal 1: F-1242.E
Integration File signal 2: B-1242.E
Quant Time: May 22 09:43:30 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-052015.M
Quant Title : 1254 05/05/15 03/04/15 ICAL 1500147
QLast Update : Tue May 05 19:15:02 2015
Response via : Initial Calibration
Integrator: ChemStation

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





SY/60

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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: 15E0635

Laboratory Sample ID(s):

15E0635-01 thru 15E0635-26

Sample Date(s):

05/14/2015

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:** **05/22/15**

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

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: 15E0636

Enclosed are results of analyses for samples received by the laboratory on May 14, 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: 5/21/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0636

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-303	15E0636-01	Equipment Blank Water		SW-846 8082A	

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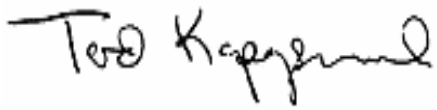
con-test® ANALYTICAL LABORATORY
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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.



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: 15E0636

Date Received: 5/14/2015

Field Sample #: EB-303 Sampled: 5/14/2015 14:00

Sample ID: 15E0636-01

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	5/21/15 0:07	JMB
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/21/15 0:07	JMB
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/21/15 0:07	JMB
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/21/15 0:07	JMB
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/21/15 0:07	JMB
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/21/15 0:07	JMB
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/21/15 0:07	JMB
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/21/15 0:07	JMB
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	5/19/15	5/21/15 0:07	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	34.7	30-150		5/21/15 0:07
Decachlorobiphenyl [2]	34.6	30-150		5/21/15 0:07
Tetrachloro-m-xylene [1]	77.9	30-150		5/21/15 0:07
Tetrachloro-m-xylene [2]	80.1	30-150		5/21/15 0:07

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
15E0636-01 [EB-303]	B122040	1000	10.0	05/19/15

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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 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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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

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

15E0636

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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	EB-303	5/14/15	1400		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)	Date/Time:
[signature] 5/14/15	1600
Received by: (signature) [signature] 5-14-15	1600
Relinquished by: (signature) [signature] 5/14/15	1700
Received by: (signature) [signature] 2.8°C 5/14/15	1720

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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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:** 5/14/15

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 2.8°C
5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____
7) **Location where samples are stored:** 19

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

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:** **Date/Time:**

RLT 5/14/15 1720

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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: 15E0636

Laboratory Sample ID(s):

15E0636-01

Sample Date(s):

05/14/2015

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.

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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: 15E0637

Enclosed are results of analyses for samples received by the laboratory on May 14, 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: 5/21/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0637

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
WIPE-200	15E0637-01	Wipe		SW-846 8082A	

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con-test® ANALYTICAL LABORATORY
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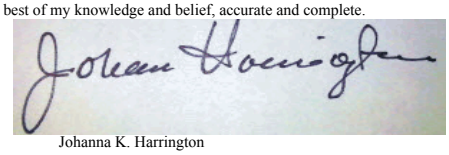
CASE NARRATIVE SUMMARY

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

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: 15E0637

Date Received: 5/14/2015

Field Sample #: WIPE-200 Sampled: 5/14/2015 14:15

Sample ID: 15E0637-01

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/18/15	5/20/15 5:01	KAL
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/18/15	5/20/15 5:01	KAL
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/18/15	5/20/15 5:01	KAL
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/18/15	5/20/15 5:01	KAL
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/18/15	5/20/15 5:01	KAL
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/18/15	5/20/15 5:01	KAL
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/18/15	5/20/15 5:01	KAL
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/18/15	5/20/15 5:01	KAL
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	5/18/15	5/20/15 5:01	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.0	30-150		5/20/15 5:01
Decachlorobiphenyl [2]	91.6	30-150		5/20/15 5:01
Tetrachloro-m-xylene [1]	71.5	30-150		5/20/15 5:01
Tetrachloro-m-xylene [2]	88.6	30-150		5/20/15 5:01

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con-test® ANALYTICAL LABORATORY
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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
15E0637-01 [WIPE-200]	B122002	1.00	10.0	05/18/15

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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 B122002 - SW-846 3540C										
Blank (B122002-BLK1)				Prepared: 05/18/15 Analyzed: 05/20/15						
Aroclor-1016	ND	0.20	µg/Wipe							
Aroclor-1016 [2C]	ND	0.20	µg/Wipe							
Aroclor-1221	ND	0.20	µg/Wipe							
Aroclor-1221 [2C]	ND	0.20	µg/Wipe							
Aroclor-1232	ND	0.20	µg/Wipe							
Aroclor-1232 [2C]	ND	0.20	µg/Wipe							
Aroclor-1242	ND	0.20	µg/Wipe							
Aroclor-1242 [2C]	ND	0.20	µg/Wipe							
Aroclor-1248	ND	0.20	µg/Wipe							
Aroclor-1248 [2C]	ND	0.20	µg/Wipe							
Aroclor-1254	ND	0.20	µg/Wipe							
Aroclor-1254 [2C]	ND	0.20	µg/Wipe							
Aroclor-1260	ND	0.20	µg/Wipe							
Aroclor-1260 [2C]	ND	0.20	µg/Wipe							
Aroclor-1262	ND	0.20	µg/Wipe							
Aroclor-1262 [2C]	ND	0.20	µg/Wipe							
Aroclor-1268	ND	0.20	µg/Wipe							
Aroclor-1268 [2C]	ND	0.20	µg/Wipe							
Surrogate: Decachlorobiphenyl	*1.24*		µg/Wipe	2.00		61.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.54*		µg/Wipe	2.00		77.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.32*		µg/Wipe	2.00		65.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.60*		µg/Wipe	2.00		80.1	30-150			
LCS (B122002-BS1)				Prepared: 05/18/15 Analyzed: 05/20/15						
Aroclor-1016	0.39	0.20	µg/Wipe	0.500		78.5	40-140			
Aroclor-1016 [2C]	0.44	0.20	µg/Wipe	0.500		87.2	40-140			
Aroclor-1260	0.38	0.20	µg/Wipe	0.500		76.9	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/Wipe	0.500		87.3	40-140			
Surrogate: Decachlorobiphenyl	*1.36*		µg/Wipe	2.00		68.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.77*		µg/Wipe	2.00		88.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.44*		µg/Wipe	2.00		72.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.78*		µg/Wipe	2.00		88.8	30-150			
LCS Dup (B122002-BSD1)				Prepared: 05/18/15 Analyzed: 05/20/15						
Aroclor-1016	0.39	0.20	µg/Wipe	0.500		78.3	40-140	0.222	30	
Aroclor-1016 [2C]	0.45	0.20	µg/Wipe	0.500		90.7	40-140	3.85	30	
Aroclor-1260	0.39	0.20	µg/Wipe	0.500		78.1	40-140	1.61	30	
Aroclor-1260 [2C]	0.42	0.20	µg/Wipe	0.500		85.0	40-140	2.66	30	
Surrogate: Decachlorobiphenyl	*1.35*		µg/Wipe	2.00		67.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.77*		µg/Wipe	2.00		88.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.53*		µg/Wipe	2.00		76.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.87*		µg/Wipe	2.00		93.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122002-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	0.39	
	2	0.00	0.00	0.00	0.44	12
Aroclor-1260	1	0.00	0.00	0.00	0.38	
	2	0.00	0.00	0.00	0.44	14

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122002-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	0.39	
	2	0.00	0.00	0.00	0.45	14
Aroclor-1260	1	0.00	0.00	0.00	0.39	
	2	0.00	0.00	0.00	0.42	7

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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

No certified Analyses included in this Report

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2015
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

15E0637

Page 1 of 1

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	WIPE-200	5/14/15	1415		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 WIPE

Comments: * Wipe taken from 60 cm² Area

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)	5/14/15	Date/Time: 1600
Received by: (signature)	5/14/15	Date/Time: 1600
Relinquished by: (signature)	5.14.15	Date/Time: 1720
Received by: (signature)	5/14/15	Date/Time: 1720

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: Northeast Utilities **RECEIVED BY:** RLF **DATE:** 5/14/15

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 2.8°C
5) **Are there Dissolved samples for the lab to filter?** Yes (No)
Who was notified _____ Date _____ Time _____
6) **Are there any RUSH or SHORT HOLDING TIME samples?** Yes (No)
Who was notified _____ Date _____ Time _____
7) **Location where samples are stored:** 19

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

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	1
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

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:**

RF 5/14/15 1720

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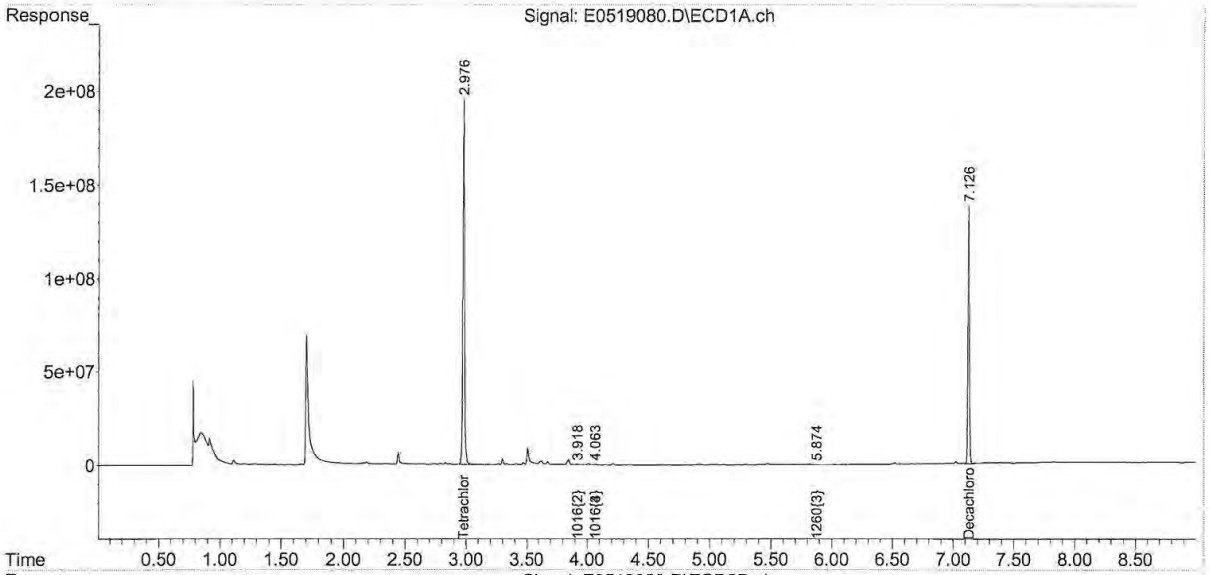
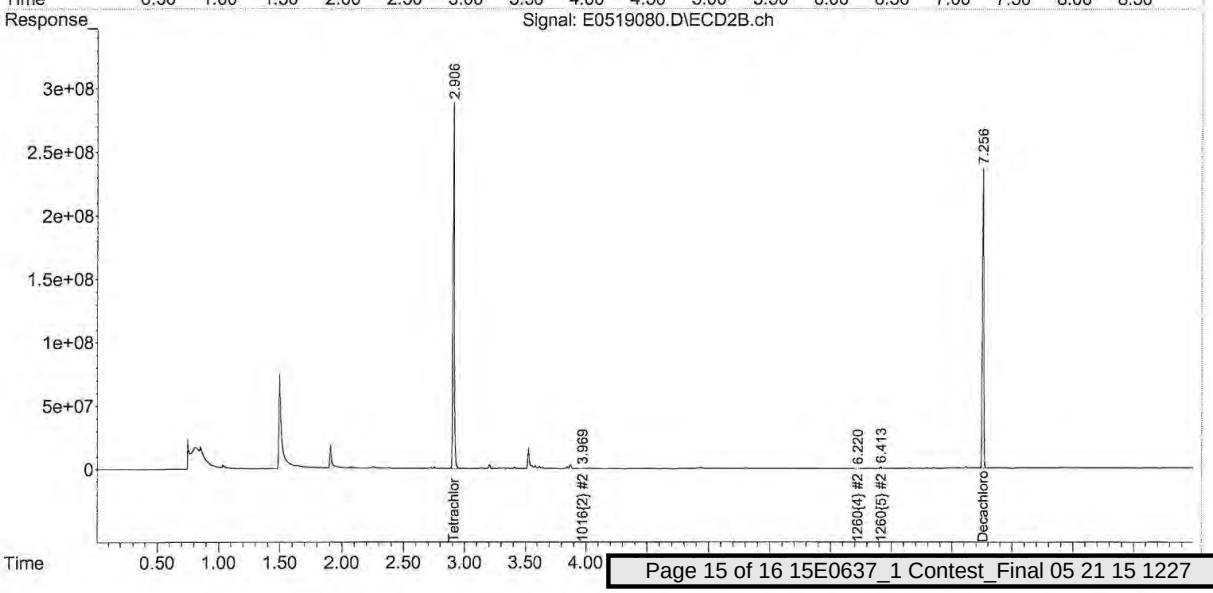
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\051915\
Data File : E0519080.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 May 2015 5:01 am
Operator : JMB
Sample : 15E0637-01 Inst : ECD 5
Misc :
ALS Vial : 80 Sample Multiplier: 1

Integration File signal 1: 1260-F.E
Integration File signal 2: 1260-B.E
Quant Time: May 20 08:18:42 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 :





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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: 15E0637

Laboratory Sample ID(s):

15E0637-01

Sample Date(s):

05/14/2015

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.

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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: 15E0657

Enclosed are results of analyses for samples received by the laboratory on May 14, 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: 6/2/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0657

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
B143-1	15E0657-01	Soil		SM 2540G	
				SW-846 8082A	
B143-2	15E0657-02	Soil		SM 2540G	
				SW-846 8082A	
B181-1	15E0657-06	Soil		SM 2540G	
				SW-846 8082A	
B181-2	15E0657-07	Soil		SM 2540G	
				SW-846 8082A	
B182-1	15E0657-11	Soil		SM 2540G	
				SW-846 8082A	
B182-2	15E0657-12	Soil		SM 2540G	
				SW-846 8082A	
B123-3	15E0657-16	Soil		SM 2540G	
				SW-846 8082A	
B123-4	15E0657-17	Soil		SM 2540G	
				SW-846 8082A	
B125-3	15E0657-19	Soil		SM 2540G	
				SW-846 8082A	
B125-4	15E0657-20	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:

O-04

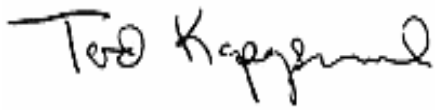
Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

Analyte & Samples(s) Qualified:

Aroclor-1248
15E0657-16[B123-3]

Aroclor-1248 [2C]
15E0657-16[B123-3]

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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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: 15E0657

Date Received: 5/14/2015

Field Sample #: B143-1 Sampled: 5/14/2015 09:20

Sample ID: 15E0657-01

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	0.53	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:40	PJG
Aroclor-1221 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:40	PJG
Aroclor-1232 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:40	PJG
Aroclor-1242 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:40	PJG
Aroclor-1248 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:40	PJG
Aroclor-1254 [1]	0.73	0.53	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:40	PJG
Aroclor-1260 [2]	3.2	0.53	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:40	PJG
Aroclor-1262 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:40	PJG
Aroclor-1268 [1]	ND	0.53	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:40	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	109	30-150				6/2/15 12:40	
Decachlorobiphenyl [2]	132	30-150				6/2/15 12:40	
Tetrachloro-m-xylene [1]	108	30-150				6/2/15 12:40	
Tetrachloro-m-xylene [2]	111	30-150				6/2/15 12:40	

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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: 15E0657

Date Received: 5/14/2015

Field Sample #: B143-1 Sampled: 5/14/2015 09:20

Sample ID: 15E0657-01

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	93.6		% 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: 15E0657

Date Received: 5/14/2015

Field Sample #: B143-2 Sampled: 5/14/2015 09:22

Sample ID: 15E0657-02

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	0.10	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 17:25	PJG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 17:25	PJG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 17:25	PJG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 17:25	PJG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 17:25	PJG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 17:25	PJG
Aroclor-1260 [2]	0.19	0.10	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 17:25	PJG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 17:25	PJG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 17:25	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.6	30-150		6/1/15 17:25
Decachlorobiphenyl [2]	108	30-150		6/1/15 17:25
Tetrachloro-m-xylene [1]	78.5	30-150		6/1/15 17:25
Tetrachloro-m-xylene [2]	88.3	30-150		6/1/15 17:25

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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: 15E0657

Date Received: 5/14/2015

Field Sample #: B143-2 Sampled: 5/14/2015 09:22

Sample ID: 15E0657-02

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	95.2		% 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: 15E0657

Date Received: 5/14/2015

Field Sample #: B181-1 Sampled: 5/14/2015 09:40

Sample ID: 15E0657-06

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	0.55	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:53	PJG
Aroclor-1221 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:53	PJG
Aroclor-1232 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:53	PJG
Aroclor-1242 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:53	PJG
Aroclor-1248 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:53	PJG
Aroclor-1254 [2]	1.5	0.55	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:53	PJG
Aroclor-1260 [2]	3.8	0.55	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:53	PJG
Aroclor-1262 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:53	PJG
Aroclor-1268 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 12:53	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	120	30-150				6/2/15 12:53	
Decachlorobiphenyl [2]	133	30-150				6/2/15 12:53	
Tetrachloro-m-xylene [1]	118	30-150				6/2/15 12:53	
Tetrachloro-m-xylene [2]	122	30-150				6/2/15 12:53	

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0657

Date Received: 5/14/2015

Field Sample #: B181-1 Sampled: 5/14/2015 09:40

Sample ID: 15E0657-06

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	90.7		% Wt	1		SM 2540G	5/27/15	5/28/15 10:28	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: 15E0657

Date Received: 5/14/2015

Field Sample #: B181-2 Sampled: 5/14/2015 09:42

Sample ID: 15E0657-07

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	0.56	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 13:05	PJG
Aroclor-1221 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 13:05	PJG
Aroclor-1232 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 13:05	PJG
Aroclor-1242 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 13:05	PJG
Aroclor-1248 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 13:05	PJG
Aroclor-1254 [2]	1.8	0.56	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 13:05	PJG
Aroclor-1260 [2]	4.5	0.56	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 13:05	PJG
Aroclor-1262 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 13:05	PJG
Aroclor-1268 [1]	ND	0.56	mg/Kg dry	25		SW-846 8082A	5/28/15	6/2/15 13:05	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	113	30-150		6/2/15 13:05
Decachlorobiphenyl [2]	123	30-150		6/2/15 13:05
Tetrachloro-m-xylene [1]	109	30-150		6/2/15 13:05
Tetrachloro-m-xylene [2]	111	30-150		6/2/15 13:05

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0657

Date Received: 5/14/2015

Field Sample #: B181-2 Sampled: 5/14/2015 09:42

Sample ID: 15E0657-07

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	89.2		% Wt	1		SM 2540G	5/27/15	5/28/15 10:28	MRL

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0657

Date Received: 5/14/2015

Field Sample #: B182-1 Sampled: 5/14/2015 10:00

Sample ID: 15E0657-11

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	0.23	mg/Kg dry	10		SW-846 8082A	5/28/15	6/2/15 13:18	PJG
Aroclor-1221 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/28/15	6/2/15 13:18	PJG
Aroclor-1232 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/28/15	6/2/15 13:18	PJG
Aroclor-1242 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/28/15	6/2/15 13:18	PJG
Aroclor-1248 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/28/15	6/2/15 13:18	PJG
Aroclor-1254 [1]	0.44	0.23	mg/Kg dry	10		SW-846 8082A	5/28/15	6/2/15 13:18	PJG
Aroclor-1260 [2]	1.8	0.23	mg/Kg dry	10		SW-846 8082A	5/28/15	6/2/15 13:18	PJG
Aroclor-1262 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/28/15	6/2/15 13:18	PJG
Aroclor-1268 [1]	ND	0.23	mg/Kg dry	10		SW-846 8082A	5/28/15	6/2/15 13:18	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	113	30-150		6/2/15 13:18
Decachlorobiphenyl [2]	130	30-150		6/2/15 13:18
Tetrachloro-m-xylene [1]	112	30-150		6/2/15 13:18
Tetrachloro-m-xylene [2]	122	30-150		6/2/15 13:18

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0657

Date Received: 5/14/2015

Field Sample #: B182-1 Sampled: 5/14/2015 10:00

Sample ID: 15E0657-11

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	87.7		% 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: 15E0657

Date Received: 5/14/2015

Field Sample #: B182-2 Sampled: 5/14/2015 10:02

Sample ID: 15E0657-12

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	5/28/15	6/1/15 18:16	PJG
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 18:16	PJG
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 18:16	PJG
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 18:16	PJG
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 18:16	PJG
Aroclor-1254 [2]	0.33	0.12	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 18:16	PJG
Aroclor-1260 [2]	0.89	0.12	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 18:16	PJG
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 18:16	PJG
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/28/15	6/1/15 18:16	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	94.8	30-150				6/1/15 18:16	
Decachlorobiphenyl [2]	120	30-150				6/1/15 18:16	
Tetrachloro-m-xylene [1]	97.3	30-150				6/1/15 18:16	
Tetrachloro-m-xylene [2]	110	30-150				6/1/15 18:16	

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0657

Date Received: 5/14/2015

Field Sample #: B182-2 Sampled: 5/14/2015 10:02

Sample ID: 15E0657-12

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	86.2		% 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: 15E0657

Date Received: 5/14/2015

Field Sample #: B123-3 Sampled: 5/14/2015 10:24

Sample ID: 15E0657-16

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	0.50	mg/Kg dry	25		SW-846 8082A	5/23/15	5/27/15 9:16	KAL
Aroclor-1221 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	5/23/15	5/27/15 9:16	KAL
Aroclor-1232 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	5/23/15	5/27/15 9:16	KAL
Aroclor-1242 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	5/23/15	5/27/15 9:16	KAL
Aroclor-1248 [2]	2.5	0.50	mg/Kg dry	25	O-04	SW-846 8082A	5/23/15	5/27/15 9:16	KAL
Aroclor-1254 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	5/23/15	5/27/15 9:16	KAL
Aroclor-1260 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	5/23/15	5/27/15 9:16	KAL
Aroclor-1262 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	5/23/15	5/27/15 9:16	KAL
Aroclor-1268 [1]	ND	0.50	mg/Kg dry	25		SW-846 8082A	5/23/15	5/27/15 9:16	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.9	30-150		5/27/15 9:16
Decachlorobiphenyl [2]	98.2	30-150		5/27/15 9:16
Tetrachloro-m-xylene [1]	91.1	30-150		5/27/15 9:16
Tetrachloro-m-xylene [2]	105	30-150		5/27/15 9:16

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0657

Date Received: 5/14/2015

Field Sample #: B123-3 Sampled: 5/14/2015 10:24

Sample ID: 15E0657-16

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	96.9		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0657

Date Received: 5/14/2015

Field Sample #: B123-4 Sampled: 5/14/2015 10:26

Sample ID: 15E0657-17

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	0.10	mg/Kg dry	5		SW-846 8082A	5/23/15	5/26/15 23:49	KAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/23/15	5/26/15 23:49	KAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/23/15	5/26/15 23:49	KAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/23/15	5/26/15 23:49	KAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/23/15	5/26/15 23:49	KAL
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/23/15	5/26/15 23:49	KAL
Aroclor-1260 [1]	0.47	0.10	mg/Kg dry	5		SW-846 8082A	5/23/15	5/26/15 23:49	KAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/23/15	5/26/15 23:49	KAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	5		SW-846 8082A	5/23/15	5/26/15 23:49	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	71.6	30-150		5/26/15 23:49
Decachlorobiphenyl [2]	80.0	30-150		5/26/15 23:49
Tetrachloro-m-xylene [1]	85.5	30-150		5/26/15 23:49
Tetrachloro-m-xylene [2]	93.0	30-150		5/26/15 23:49

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0657

Date Received: 5/14/2015

Field Sample #: B123-4 Sampled: 5/14/2015 10:26

Sample ID: 15E0657-17

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	93.6		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0657

Date Received: 5/14/2015

Field Sample #: B125-3 Sampled: 5/14/2015 10:34

Sample ID: 15E0657-19

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	5/27/15 0:01	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:01	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:01	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:01	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:01	KAL
Aroclor-1254 [2]	0.62	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:01	KAL
Aroclor-1260 [1]	1.0	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:01	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:01	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:01	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	72.6	30-150		5/27/15 0:01
Decachlorobiphenyl [2]	77.4	30-150		5/27/15 0:01
Tetrachloro-m-xylene [1]	85.6	30-150		5/27/15 0:01
Tetrachloro-m-xylene [2]	93.9	30-150		5/27/15 0:01

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15E0657

Date Received: 5/14/2015

Field Sample #: B125-3 Sampled: 5/14/2015 10:34

Sample ID: 15E0657-19

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	87.3		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0657

Date Received: 5/14/2015

Field Sample #: B125-4 Sampled: 5/14/2015 10:36

Sample ID: 15E0657-20

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	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:13	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:13	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:13	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:13	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:13	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:13	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:13	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:13	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:13	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.8	30-150		5/27/15 0:13
Decachlorobiphenyl [2]	86.7	30-150		5/27/15 0:13
Tetrachloro-m-xylene [1]	90.7	30-150		5/27/15 0:13
Tetrachloro-m-xylene [2]	99.0	30-150		5/27/15 0:13

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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: 15E0657

Date Received: 5/14/2015

Field Sample #: B125-4 Sampled: 5/14/2015 10:36

Sample ID: 15E0657-20

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	86.4		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0657-16 [B123-3]	B122416	05/22/15
15E0657-17 [B123-4]	B122416	05/22/15
15E0657-19 [B125-3]	B122416	05/22/15
15E0657-20 [B125-4]	B122416	05/22/15

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0657-01 [B143-1]	B122557	05/26/15
15E0657-02 [B143-2]	B122557	05/26/15
15E0657-11 [B182-1]	B122557	05/26/15
15E0657-12 [B182-2]	B122557	05/26/15

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
15E0657-06 [B181-1]	B122682	05/27/15
15E0657-07 [B181-2]	B122682	05/27/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0657-16 [B123-3]	B122431	10.3	10.0	05/23/15
15E0657-17 [B123-4]	B122431	10.2	10.0	05/23/15
15E0657-19 [B125-3]	B122431	10.1	10.0	05/23/15
15E0657-20 [B125-4]	B122431	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
15E0657-01 [B143-1]	B122739	10.1	10.0	05/28/15
15E0657-02 [B143-2]	B122739	10.1	10.0	05/28/15
15E0657-06 [B181-1]	B122739	10.0	10.0	05/28/15
15E0657-07 [B181-2]	B122739	10.1	10.0	05/28/15
15E0657-11 [B182-1]	B122739	10.0	10.0	05/28/15
15E0657-12 [B182-2]	B122739	10.0	10.0	05/28/15

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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 B122431 - SW-846 3540C										
Blank (B122431-BLK1)				Prepared: 05/23/15 Analyzed: 05/26/15						
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	*0.200*		mg/Kg wet	0.200		99.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.191*		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		89.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.187*		mg/Kg wet	0.200		93.5	30-150			
LCS (B122431-BS1)				Prepared: 05/23/15 Analyzed: 05/26/15						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		99.1	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		104	40-140			
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		108	40-140			
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200		111	40-140			
Surrogate: Decachlorobiphenyl	*0.212*		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.205*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.168*		mg/Kg wet	0.200		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.185*		mg/Kg wet	0.200		92.4	30-150			
LCS Dup (B122431-BSD1)				Prepared: 05/23/15 Analyzed: 05/26/15						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		101	40-140	1.65	30	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		109	40-140	4.61	30	
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		110	40-140	1.38	30	
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200		112	40-140	1.17	30	
Surrogate: Decachlorobiphenyl	*0.218*		mg/Kg wet	0.200		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.210*		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene	*0.181*		mg/Kg wet	0.200		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.199*		mg/Kg wet	0.200		99.5	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 B122739 - SW-846 3540C										
Blank (B122739-BLK1)				Prepared: 05/28/15 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	*0.189*		mg/Kg wet	0.199		95.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.199		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.171*		mg/Kg wet	0.199		85.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.192*		mg/Kg wet	0.199		96.3	30-150			
LCS (B122739-BS1)				Prepared: 05/28/15 Analyzed: 06/01/15						
Aroclor-1016	0.17	0.099	mg/Kg wet	0.198		84.0	40-140			
Aroclor-1016 [2C]	0.17	0.099	mg/Kg wet	0.198		87.5	40-140			
Aroclor-1260	0.15	0.099	mg/Kg wet	0.198		77.1	40-140			
Aroclor-1260 [2C]	0.17	0.099	mg/Kg wet	0.198		84.7	40-140			
Surrogate: Decachlorobiphenyl	*0.152*		mg/Kg wet	0.198		76.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.161*		mg/Kg wet	0.198		80.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.153*		mg/Kg wet	0.198		77.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.167*		mg/Kg wet	0.198		84.1	30-150			
LCS Dup (B122739-BSD1)				Prepared: 05/28/15 Analyzed: 06/01/15						
Aroclor-1016	0.19	0.10	mg/Kg wet	0.200		96.2	40-140	14.4	30	
Aroclor-1016 [2C]	0.20	0.10	mg/Kg wet	0.200		102	40-140	16.2	30	
Aroclor-1260	0.19	0.10	mg/Kg wet	0.200		97.3	40-140	23.9	30	
Aroclor-1260 [2C]	0.21	0.10	mg/Kg wet	0.200		104	40-140	21.6	30	
Surrogate: Decachlorobiphenyl	*0.189*		mg/Kg wet	0.200		94.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.199*		mg/Kg wet	0.200		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.176*		mg/Kg wet	0.200		87.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.192*		mg/Kg wet	0.200		95.8	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 B122682 - % Solids										
Duplicate (B122682-DUP1)	**Source: 15E0657-06**			Prepared: 05/27/15 Analyzed: 05/28/15						
% Solids	91.1		% Wt		90.7			0.440	20	
Duplicate (B122682-DUP2)	**Source: 15E0657-07**			Prepared: 05/27/15 Analyzed: 05/28/15						
% Solids	89.3		% Wt		89.2			0.112	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B143-1

Lab Sample ID: 15E0657-01 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	0.73	
	2	0.00	-0.03	0.03	0.66	9.7
Aroclor-1260	1	0.00	-0.03	0.03	2.6	
	2	0.00	-0.03	0.03	3.2	20.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B143-2

Lab Sample ID: 15E0657-02 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-1260	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.19	12.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B181-1

Lab Sample ID: 15E0657-06 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	1.4	
	2	0.00	-0.03	0.03	1.5	5.5
Aroclor-1260	1	0.00	-0.03	0.03	3.1	
	2	0.00	-0.03	0.03	3.8	19.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B181-2

Lab Sample ID: 15E0657-07 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	1.7	
	2	0.00	-0.03	0.03	1.8	3.4
Aroclor-1260	1	0.00	-0.03	0.03	3.7	
	2	0.00	-0.03	0.03	4.5	19.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B182-1

Lab Sample ID: 15E0657-11 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	0.44	
	2	0.00	-0.03	0.03	0.41	8.2
Aroclor-1260	1	0.00	-0.03	0.03	1.5	
	2	0.00	-0.03	0.03	1.8	20.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B182-2

Lab Sample ID: 15E0657-12 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	0.31	
	2	0.00	-0.03	0.03	0.33	7.6
Aroclor-1260	1	0.00	-0.03	0.03	0.73	
	2	0.00	-0.03	0.03	0.89	19.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B123-3

Lab Sample ID: 15E0657-16 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-1248	1	0.00	-0.03	0.03	2.3	
	2	0.00	-0.03	0.03	2.5	8.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B123-4

Lab Sample ID: 15E0657-17 Date(s) Analyzed: 05/26/2015 05/26/2015

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	0.47	
	2	0.00	-0.03	0.03	0.46	1.5

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

SW-846 8082A

B125-3

Lab Sample ID: 15E0657-19 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-1254	1	0.00	-0.03	0.03	0.62	
	2	0.00	-0.03	0.03	0.62	0.8
Aroclor-1260	1	0.00	-0.03	0.03	1.0	
	2	0.00	-0.03	0.03	0.99	4.9

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

SW-846 8082A

LCS

Lab Sample ID: B122431-BS1 Date(s) Analyzed: 05/26/2015 05/26/2015

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	6
Aroclor-1260	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.22	2

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

SW-846 8082A

LCS Dup

Lab Sample ID: B122431-BSD1 Date(s) Analyzed: 05/26/2015 05/26/2015

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	0.22	9
Aroclor-1260	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.22	0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122739-BS1 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-1016	1	0.00	-0.03	0.03	0.17	
	2	0.00	-0.03	0.03	0.17	2
Aroclor-1260	1	0.00	-0.03	0.03	0.15	
	2	0.00	-0.03	0.03	0.17	11

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122739-BSD1 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-1016	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.20	4
Aroclor-1260	1	0.00	-0.03	0.03	0.19	
	2	0.00	-0.03	0.03	0.21	7

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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.
O-04	Sample fingerprint does not match standard exactly. Sample was quantitated against the closest matching standard.

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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

From: Gendron, Kenneth [GendronK@wseinc.com]
Sent: Friday, May 22, 2015 4:28 PM
To: Jim Georgantas
Cc: Sirotnak, William; Figurelli, John
Subject: Fwd: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Good afternoon Jim

Here are my additional run requests for Berlin

Please analyze the following:
123-3 & 4
124-3 & 4
125-3 & 4
127-3 & 4
128-3
129-3
183-3 & 4

Please extract and hold the following:
123-5
124-5
125-5
127-5
128-4 & 5
129-4 & 5
183-4 & 5

Thank you very much and have a great weekend.

Ken

-------- Original message --------
From: "Con-Test Reports (Unattended Mailbox - Do Not Reply)"
Date:05/22/2015 1:27 PM (GMT-05:00)
To: christopher.soroka@eversource.com
Cc: "Gendron, Kenneth" , jgeorgantas@contestlabs.com
Subject: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

This is an automated email message from the Element DataSystem® LIMS at Con-Test Analytical Laboratory. It includes one or more file attachments. If you have any questions about this email or if this email has been sent to you in error, please contact:

Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
413.525.2332 Phone
413.525.6405 Fax

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

15E0657

Page 1 of 6

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	B143-1	5/14/15	0920		X	S	U			✓	1	I	A
02	B143-2		0922							✓			
03	B143-3		0924							✓			
04	B143-4		0926							✓			
05	B143-5		0928							✓			
06	B181-1		0940							✓			
07	B181-2		0942							✓			
08	B181-3		0944							✓			
09	B181-4		0946							✓			
10	B181-5	✓	0948		✓	✓	✓			✓			

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 extn + 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)		5/14/15 16:00
Received by: (signature)		5/14/15 1600
Relinquished by: (signature)		5/14/15 1720
Received by: (signature)	2.8°C	5/14/15 1700

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

15E0657

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
11	B182-1	5/13/15	1000		X	S	U			✓
12	B182-2		1002							✓
13	B182-3		1004							✓
14	B182-4		1006							✓
15	B182-5		1008							✓
16	B123-3 ☆		1024							✓
17	B123-4 ☆		1026							✓
18	B123-5 ☆☆		1028							✓
19	B125-3 ☆		1034							✓
20	B125-4 ☆	↓	1036		↓	↓	↓			✓

1 # of Containers
1 ** 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 for 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)	5/14/15	Date/Time: 1600
Received by: (signature)	9:14:15	Date/Time: 1600
Relinquished by: (signature)	5/14/15	Date/Time: 17:20
Received by: (signature)	2.8°C 5/14/15	Date/Time: 1720

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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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: 5/14/15

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 [x] Direct from Sampling [ ] Ambient [ ] In Cooler(s) [x]
Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A
Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.8 °C
5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____
6) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____
7) Location where samples are stored: 19
Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____
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	54
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:
Sample "B185-1" on COC, labeled "B185-3" on jar.
Times/dates do match.

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.	F	see lab comments
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 5/14/15 1720

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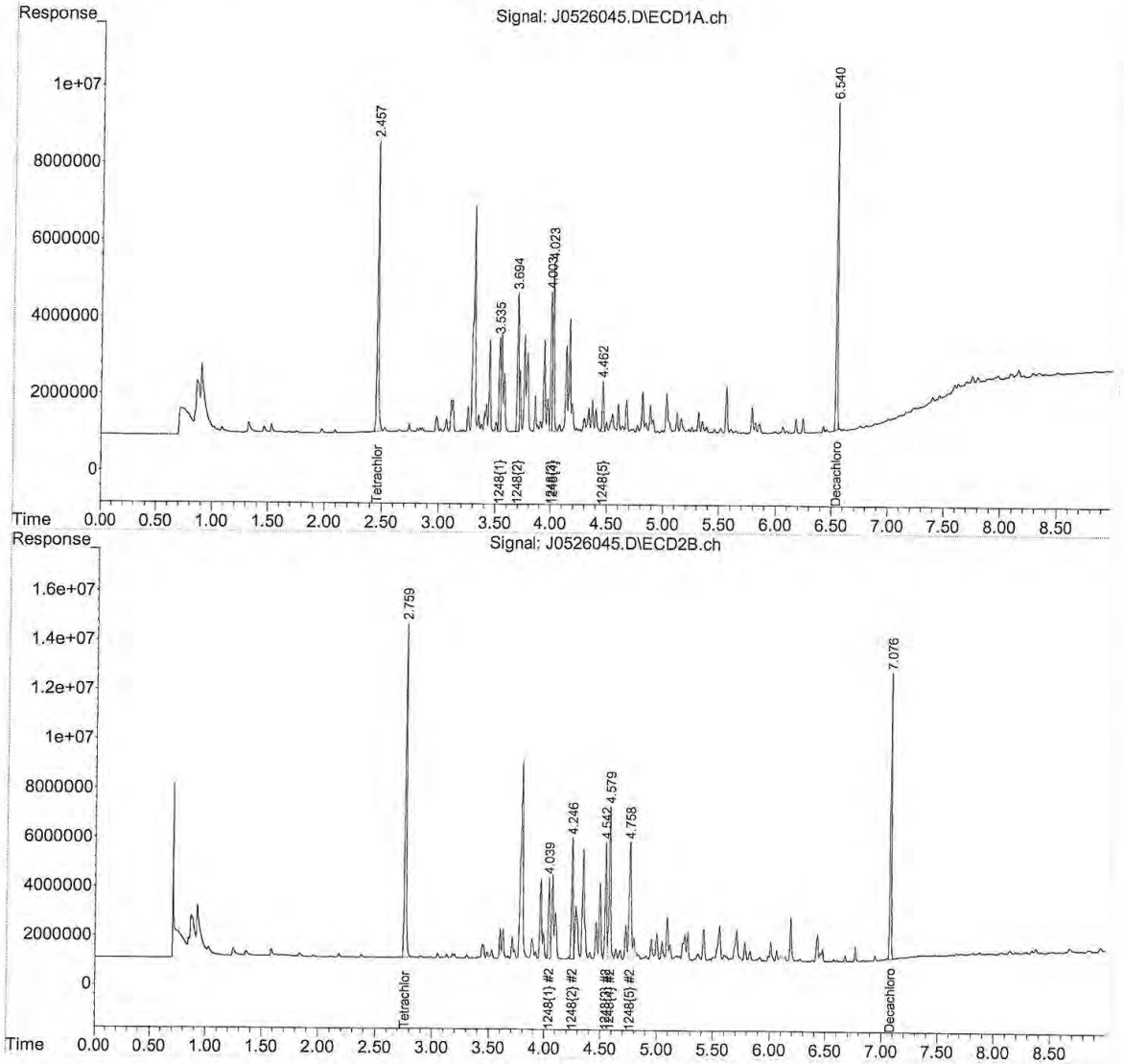
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\052615a\
Data File : J0526045.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2015 9:16 am
Operator : JMB
Sample : 15E0657-16@25X Inst : ECD10
Misc :
ALS Vial : 45 Sample Multiplier: 1

Integration File signal 1: F-1248.E
Integration File signal 2: B-1248.E
Quant Time: May 27 21:20:25 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1248-052615.M
Quant Title : 1248 03/25/15 02/23/15 ICAL 1500103
QLast Update : Mon Apr 20 21:36:31 2015
Response via : Initial Calibration
Integrator: ChemStation

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



10-1248-052615.M Wed May 27 21:25:15 2015

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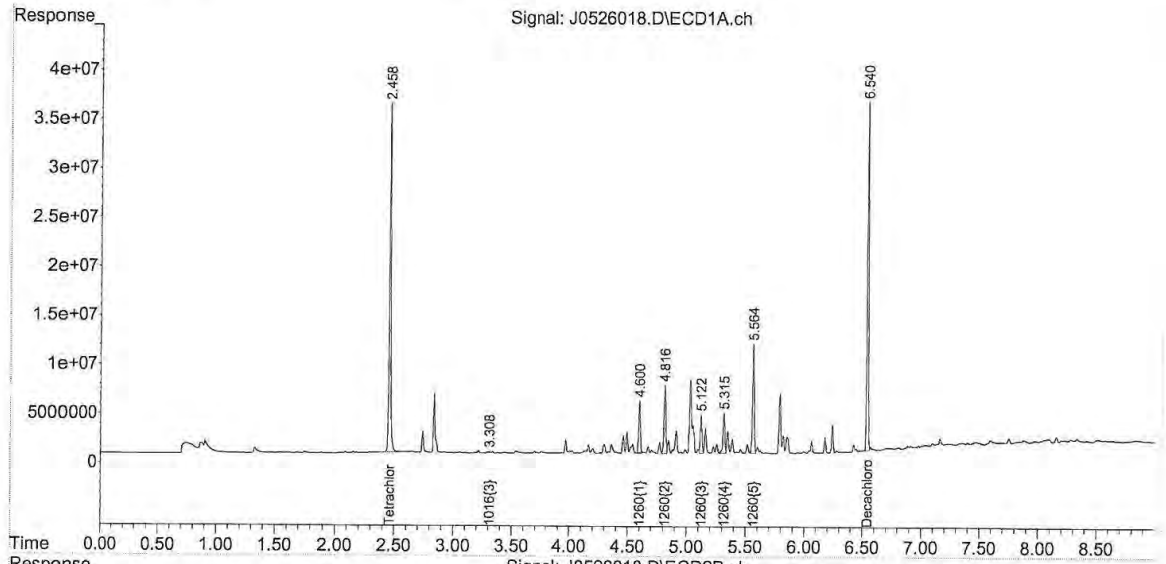
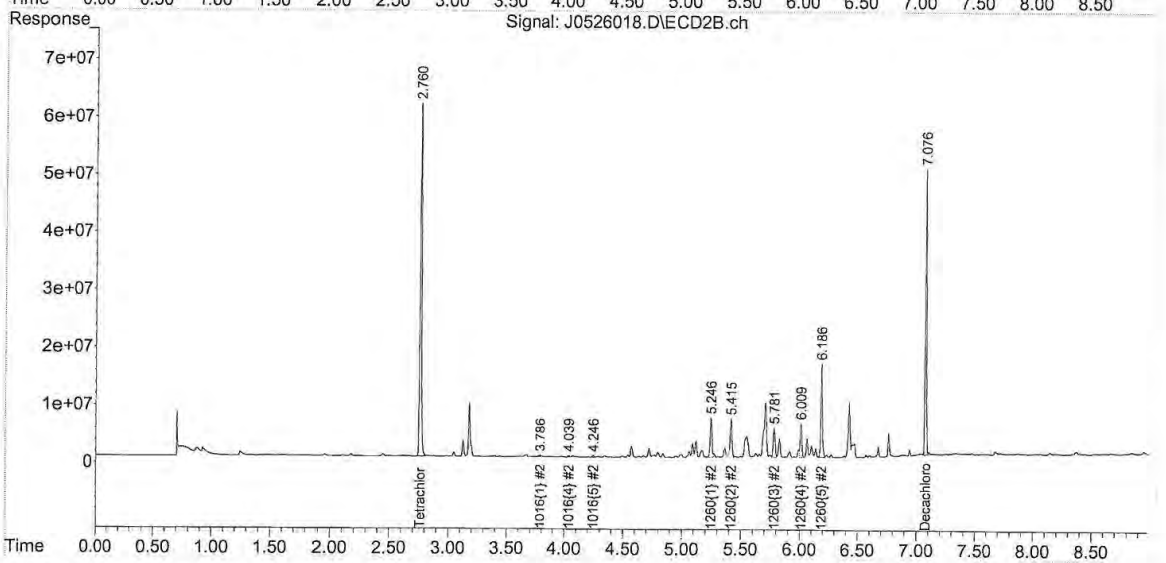
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\052615a\
Data File : J0526018.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 May 2015 11:49 pm
Operator : JMB
Sample : 15E0657-17@5X TBA Inst : ECD10
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 27 04:35:46 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 Wed May 27 21:06:00 2015

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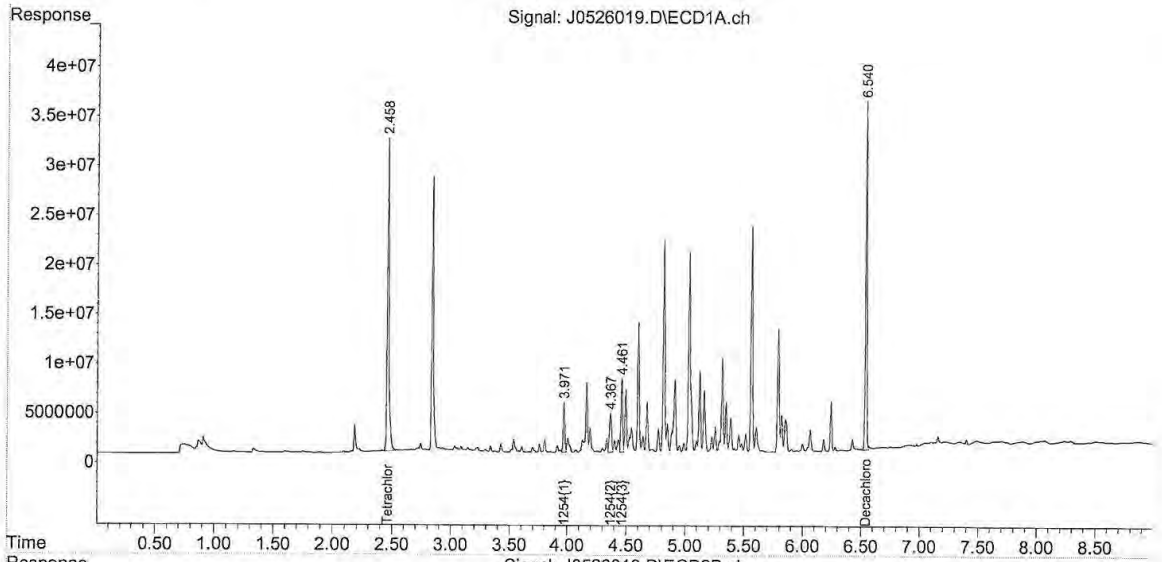
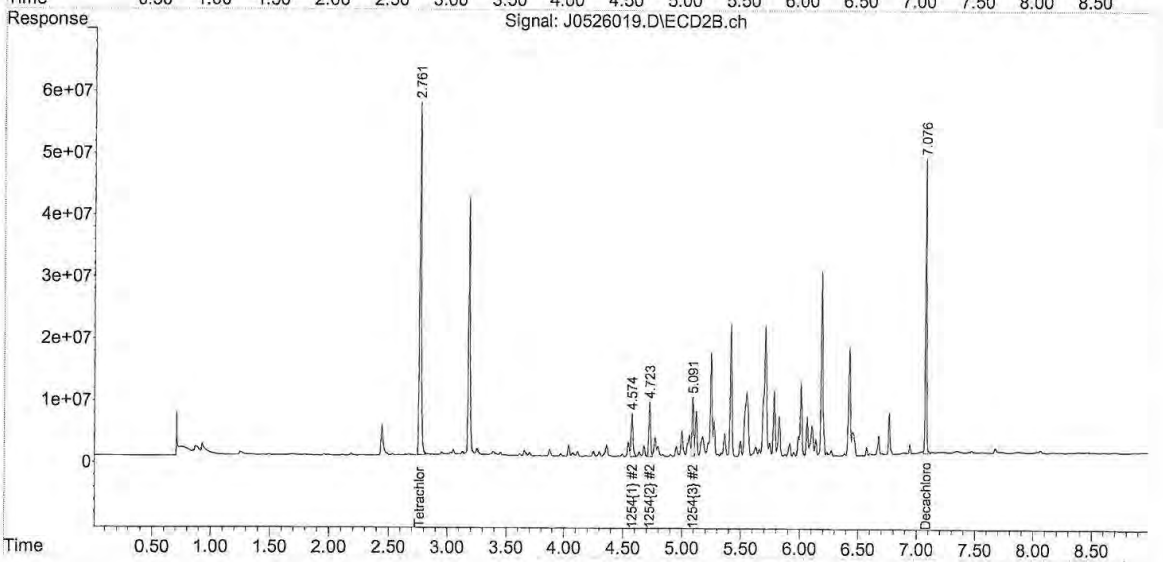
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052615a\
Data File : J0526019.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2015 12:01 am
Operator : JMB
Sample : 15E0657-19@5X TBA Inst : ECD10
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 27 21:06:57 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-052615.M
Quant Title : 1254 01/30/15 09/09/14
QLast Update : Mon Apr 20 21:35:37 2015
Response via : Initial Calibration
Integrator: ChemStation

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





10-1254-052615.M Wed May 27 21:07:10 2015

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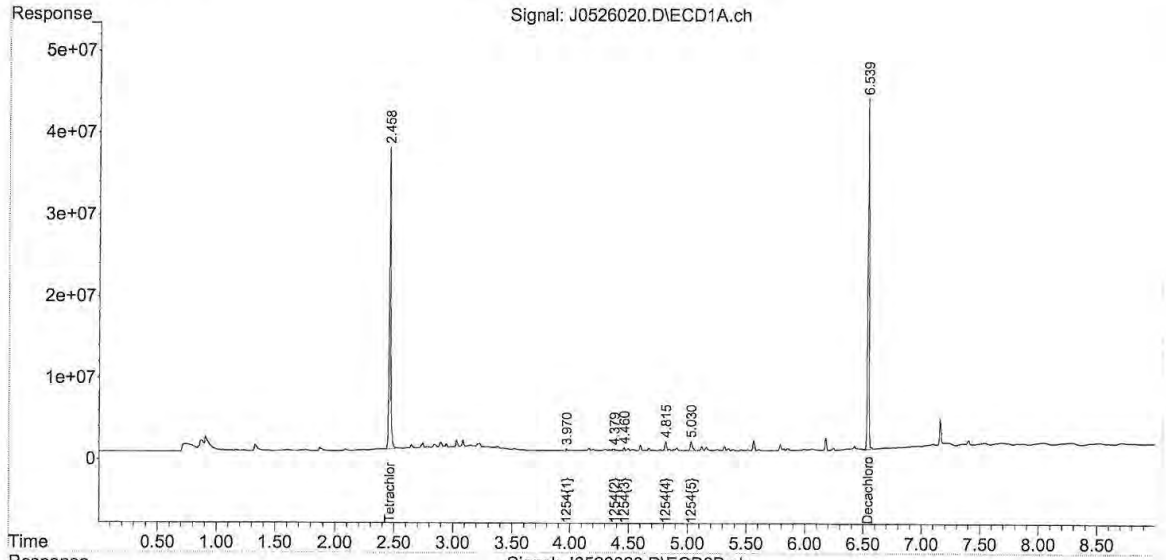
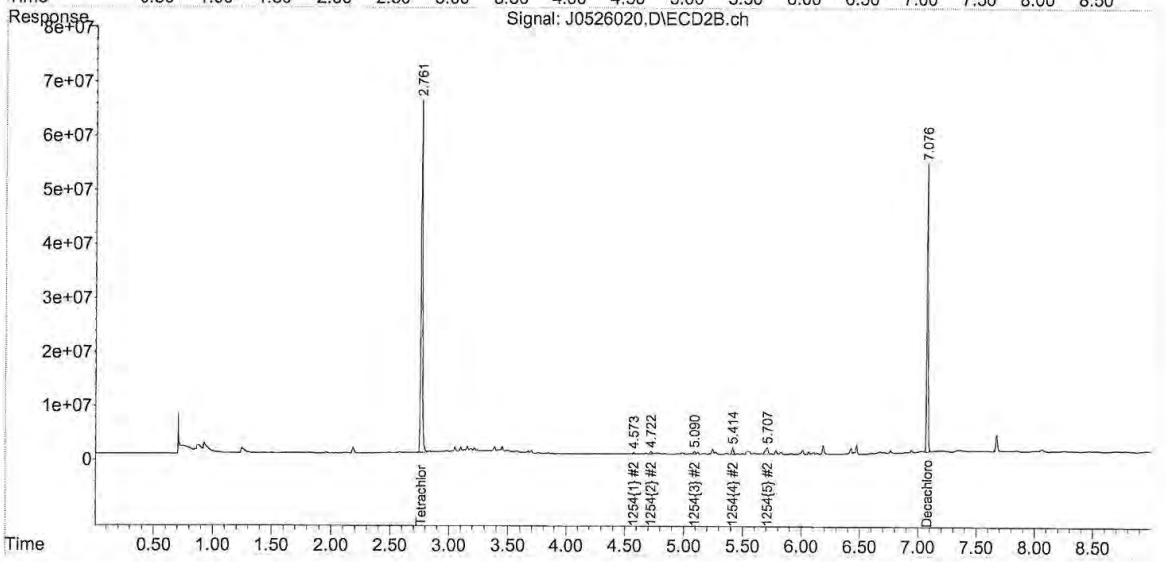
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\data\052615a\
Data File : J0526020.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 27 May 2015  12:13 am
Operator  : JMB
Sample    : 15E0657-20@5X TBA                    Inst    : ECD10
Misc      :
ALS Vial  : 20   Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 27 21:08:15 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-052615.M
Quant Title  : 1254   01/30/15   09/09/14
QLast Update : Mon Apr 20 21:35:37 2015
Response via : Initial Calibration
Integrator: ChemStation

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





10-1254-052615.M Wed May 27 21:08:24 2015

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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: 15E0657

Laboratory Sample ID(s):

15E0657-01 thru 15E0657-20

Sample Date(s):

05/14/2015

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

May 29, 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: 15E0658

Enclosed are results of analyses for samples received by the laboratory on May 14, 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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15E0658-13 15
15E0658-17 16
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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: 5/29/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0658

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
B125-5	15E0658-01	Soil		SM 2540G	
B124-3	15E0658-02	Soil		SM 2540G	
				SW-846 8082A	
B124-4	15E0658-03	Soil		SM 2540G	
				SW-846 8082A	
B124-5	15E0658-04	Soil		SM 2540G	
B126-3	15E0658-05	Soil		-	
B126-4	15E0658-06	Soil		-	
B126-5	15E0658-07	Soil		-	
B127-3	15E0658-08	Soil		-	
B127-4	15E0658-09	Soil		-	
B127-5	15E0658-10	Soil		-	
B183-3	15E0658-11	Soil		SM 2540G	
				SW-846 8082A	
B183-4	15E0658-12	Soil		SM 2540G	
				SW-846 8082A	
B183-5	15E0658-13	Soil		SM 2540G	
B184-3	15E0658-14	Soil		-	
B184-4	15E0658-15	Soil		-	
B184-5	15E0658-16	Soil		-	
B128-3	15E0658-17	Soil		SM 2540G	
				SW-846 8082A	
B128-4	15E0658-18	Soil		SM 2540G	
B128-5	15E0658-19	Soil		SM 2540G	
B185-1	15E0658-20	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:

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
15E0658-02[B124-3], 15E0658-03[B124-4]

Decachlorobiphenyl [2C]
15E0658-02[B124-3], 15E0658-03[B124-4]

Tetrachloro-m-xylene
15E0658-02[B124-3], 15E0658-03[B124-4]

Tetrachloro-m-xylene [2C]
15E0658-02[B124-3], 15E0658-03[B124-4]

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.



Daren J. Damboragian
Laboratory Manager

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B125-5 Sampled: 5/14/2015 10:38

Sample ID: 15E0658-01

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	90.3		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B124-3 Sampled: 5/14/2015 10:54

Sample ID: 15E0658-02

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	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:28	KAL
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:28	KAL
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:28	KAL
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:28	KAL
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:28	KAL
Aroclor-1254 [2]	2.8	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:28	KAL
Aroclor-1260 [1]	5.5	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:28	KAL
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:28	KAL
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:28	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/27/15 9:28
Decachlorobiphenyl [2]	*	30-150	S-01	5/27/15 9:28
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/27/15 9:28
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/27/15 9:28

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B124-3 Sampled: 5/14/2015 10:54

Sample ID: 15E0658-02

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	89.2		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B124-4 Sampled: 5/14/2015 10:56

Sample ID: 15E0658-03

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	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:40	KAL
Aroclor-1221 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:40	KAL
Aroclor-1232 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:40	KAL
Aroclor-1242 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:40	KAL
Aroclor-1248 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:40	KAL
Aroclor-1254 [2]	3.2	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:40	KAL
Aroclor-1260 [2]	6.0	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:40	KAL
Aroclor-1262 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:40	KAL
Aroclor-1268 [1]	ND	1.1	mg/Kg dry	50		SW-846 8082A	5/23/15	5/27/15 9:40	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	5/27/15 9:40
Decachlorobiphenyl [2]	*	30-150	S-01	5/27/15 9:40
Tetrachloro-m-xylene [1]	*	30-150	S-01	5/27/15 9:40
Tetrachloro-m-xylene [2]	*	30-150	S-01	5/27/15 9:40

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B124-4 Sampled: 5/14/2015 10:56

Sample ID: 15E0658-03

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	88.6		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B124-5 Sampled: 5/14/2015 10:58

Sample ID: 15E0658-04

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	88.2		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B183-3 Sampled: 5/14/2015 11:44

Sample ID: 15E0658-11

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	5/27/15 0:50	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:50	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:50	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:50	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:50	KAL
Aroclor-1254 [2]	0.33	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:50	KAL
Aroclor-1260 [1]	0.74	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:50	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:50	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 0:50	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	87.6	30-150				5/27/15	0:50
Decachlorobiphenyl [2]	87.3	30-150				5/27/15	0:50
Tetrachloro-m-xylene [1]	88.8	30-150				5/27/15	0:50
Tetrachloro-m-xylene [2]	96.5	30-150				5/27/15	0:50

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B183-3 Sampled: 5/14/2015 11:44

Sample ID: 15E0658-11

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	88.1		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B183-4 Sampled: 5/14/2015 11:46

Sample ID: 15E0658-12

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	5/23/15	5/27/15 1:02	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:02	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:02	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:02	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:02	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:02	KAL
Aroclor-1260 [1]	1.0	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:02	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:02	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:02	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.2	30-150		5/27/15 1:02
Decachlorobiphenyl [2]	89.4	30-150		5/27/15 1:02
Tetrachloro-m-xylene [1]	85.8	30-150		5/27/15 1:02
Tetrachloro-m-xylene [2]	94.0	30-150		5/27/15 1:02

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B183-4 Sampled: 5/14/2015 11:46

Sample ID: 15E0658-12

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	82.1		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B183-5 Sampled: 5/14/2015 11:48

Sample ID: 15E0658-13

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	89.2		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B128-3 Sampled: 5/14/2015 12:34

Sample ID: 15E0658-17

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	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:15	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:15	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:15	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:15	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:15	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:15	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:15	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:15	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:15	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.1	30-150		5/27/15 1:15
Decachlorobiphenyl [2]	91.7	30-150		5/27/15 1:15
Tetrachloro-m-xylene [1]	85.2	30-150		5/27/15 1:15
Tetrachloro-m-xylene [2]	93.4	30-150		5/27/15 1:15

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B128-3 Sampled: 5/14/2015 12:34

Sample ID: 15E0658-17

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	91.4		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B128-4 Sampled: 5/14/2015 12:36

Sample ID: 15E0658-18

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	90.6		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0658

Date Received: 5/14/2015

Field Sample #: B128-5 Sampled: 5/14/2015 12:38

Sample ID: 15E0658-19

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	88.3		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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
15E0658-01 [B125-5]	B122416	05/22/15
15E0658-02 [B124-3]	B122416	05/22/15
15E0658-03 [B124-4]	B122416	05/22/15
15E0658-04 [B124-5]	B122416	05/22/15
15E0658-11 [B183-3]	B122416	05/22/15
15E0658-12 [B183-4]	B122416	05/22/15
15E0658-13 [B183-5]	B122416	05/22/15
15E0658-17 [B128-3]	B122416	05/22/15
15E0658-18 [B128-4]	B122416	05/22/15
15E0658-19 [B128-5]	B122416	05/22/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0658-02 [B124-3]	B122431	10.2	10.0	05/23/15
15E0658-03 [B124-4]	B122431	10.2	10.0	05/23/15
15E0658-11 [B183-3]	B122431	10.2	10.0	05/23/15
15E0658-12 [B183-4]	B122431	10.3	10.0	05/23/15
15E0658-17 [B128-3]	B122431	10.2	10.0	05/23/15

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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 B122431 - SW-846 3540C										
Blank (B122431-BLK1)				Prepared: 05/23/15 Analyzed: 05/26/15						
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	*0.200*		mg/Kg wet	0.200		99.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.191*		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		89.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.187*		mg/Kg wet	0.200		93.5	30-150			
LCS (B122431-BS1)				Prepared: 05/23/15 Analyzed: 05/26/15						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		99.1	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		104	40-140			
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		108	40-140			
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200		111	40-140			
Surrogate: Decachlorobiphenyl	*0.212*		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.205*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.168*		mg/Kg wet	0.200		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.185*		mg/Kg wet	0.200		92.4	30-150			
LCS Dup (B122431-BSD1)				Prepared: 05/23/15 Analyzed: 05/26/15						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		101	40-140	1.65	30	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		109	40-140	4.61	30	
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		110	40-140	1.38	30	
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200		112	40-140	1.17	30	
Surrogate: Decachlorobiphenyl	*0.218*		mg/Kg wet	0.200		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.210*		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene	*0.181*		mg/Kg wet	0.200		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.199*		mg/Kg wet	0.200		99.5	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B124-3

Lab Sample ID: 15E0658-02 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-1254	1	0.00	-0.03	0.03	2.6	
	2	0.00	-0.03	0.03	2.8	6.3
Aroclor-1260	1	0.00	-0.03	0.03	5.5	
	2	0.00	-0.03	0.03	5.5	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B124-4

Lab Sample ID: 15E0658-03 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-1254	1	0.00	-0.03	0.03	3.1	
	2	0.00	-0.03	0.03	3.2	3.5
Aroclor-1260	1	0.00	-0.03	0.03	5.8	
	2	0.00	-0.03	0.03	6.0	3.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B183-3

Lab Sample ID: 15E0658-11 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-1254	1	0.00	-0.03	0.03	0.30	
	2	0.00	-0.03	0.03	0.33	10.5
Aroclor-1260	1	0.00	-0.03	0.03	0.74	
	2	0.00	-0.03	0.03	0.69	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B183-4

Lab Sample ID: 15E0658-12 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	1.0	
	2	0.00	-0.03	0.03	0.96	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122431-BS1 Date(s) Analyzed: 05/26/2015 05/26/2015

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	6
Aroclor-1260	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.22	2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B122431-BSD1 Date(s) Analyzed: 05/26/2015 05/26/2015

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	0.22	9
Aroclor-1260	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.22	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.
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

From:	Gendron, Kenneth [GendronK@wseinc.com]
Sent:	Friday, May 22, 2015 4:28 PM
To:	Jim Georgantas
Cc:	Sirotnak, William; Figurelli, John
Subject:	Fwd: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Good afternoon Jim

Here are my additional run requests for Berlin

Please analyze the following:
123-3 & 4
124-3 & 4
125-3 & 4
127-3 & 4
128-3
129-3
183-3 & 4

Please extract and hold the following:
123-5
124-5
125-5
127-5
128-4 & 5
129-4 & 5
183-4 & 5

Thank you very much and have a great weekend.

Ken

-------- Original message --------
From: "Con-Test Reports (Unattended Mailbox - Do Not Reply)"
Date:05/22/2015 1:27 PM (GMT-05:00)
To: christopher.soroka@eversource.com
Cc: "Gendron, Kenneth" , jgeorgantas@contestlabs.com
Subject: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

This is an automated email message from the Element DataSystem® LIMS at Con-Test Analytical Laboratory. It includes one or more file attachments. If you have any questions about this email or if this email has been sent to you in error, please contact:

Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
413.525.2332 Phone
413.525.6405 Fax

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

15E0658

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	B125-5 ☆☆	5/14/15	1038		X	S	U						✓
02	B124-3 ☆		1054										✓
03	B124-4 ☆		1056										✓
04	B124-5 ☆☆		1058										✓
05	B126-3		1114										✓
06	B126-4		1116										✓
07	B126-5		1118										✓
08	B127-3		1134										✓
09	B127-4		1136										✓
10	B127-5	↓	1138		↓	↓	↓						✓

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] 5/14/15	1600
Received by: (signature) [signature] 5/14/15	1600
Relinquished by: (signature) [signature] 5.14.15	17:20
Received by: (signature) [signature] 0.8°C 5/14/15	1720

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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39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0658

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	B183-3	5/14/15	1144		X	S	U			✓	1	I	A
12	B183-4		1146							✓			
13	B183-5		1148							✓			
14	B184-3		1204							✓			
15	B184-4		1206							✓			
16	B184-5		1208							✓			
17	B128-3		1234							✓			
18	B128-4		1236							✓			
19	B128-5		1238							✓			
20	B185-1	↓	1244		↓	↓	↓			✓			

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)	5/14/15	Date/Time: 1600
Received by: (signature)	5.14.15	Date/Time: 1600
Relinquished by: (signature)	5/14/15	Date/Time: 1720
Received by: (signature)	2.8°C 5/14/15	Date/Time: 1720

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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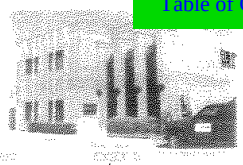


Sample Receipt Checklist

CLIENT NAME: Northeast Utilities RECEIVED BY: RLF DATE: 5/14/15

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 2.8 °C
5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____
6) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____
7) Location where samples are stored: 19
Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____
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	34
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:
Sample "B185-1" on COC, labeled "B185-3" on jar.
Times/dates do match.

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.	F	see lab comments
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: RLF

Date/Time:

Date/Time: 5/14/15 1720

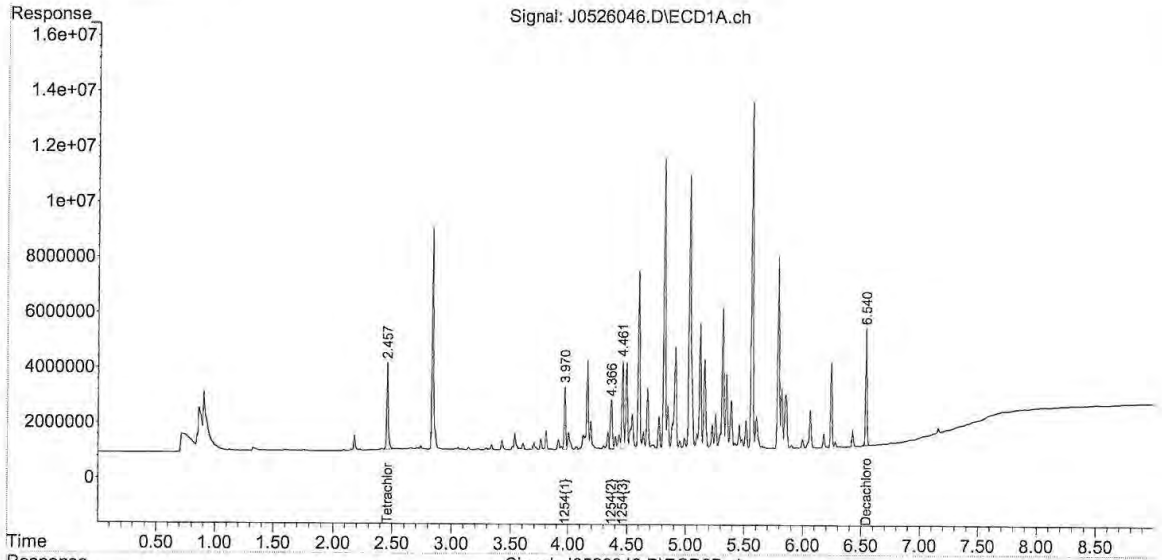
Table of Contents

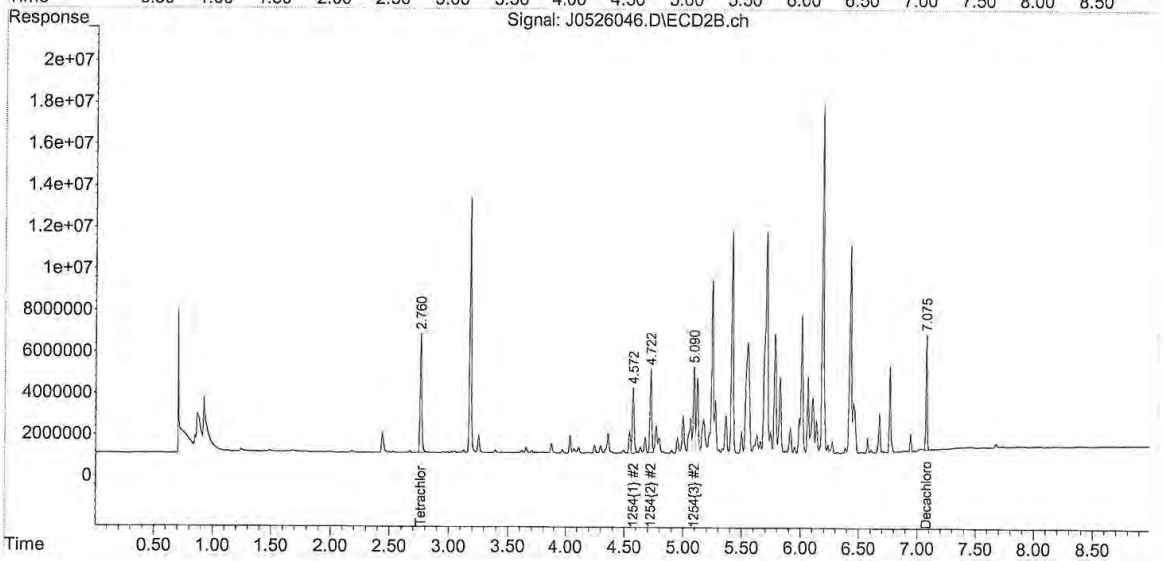
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052615a\
Data File : J0526046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2015 9:28 am
Operator : JMB
Sample : 15E0658-02@50X Inst : ECD10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 27 21:26:23 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-052615.M
Quant Title : 1254 01/30/15 09/09/14
QLast Update : Mon Apr 20 21:35:37 2015
Response via : Initial Calibration
Integrator: ChemStation

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





10-1254-052615.M Wed May 27 21:26:40 2015

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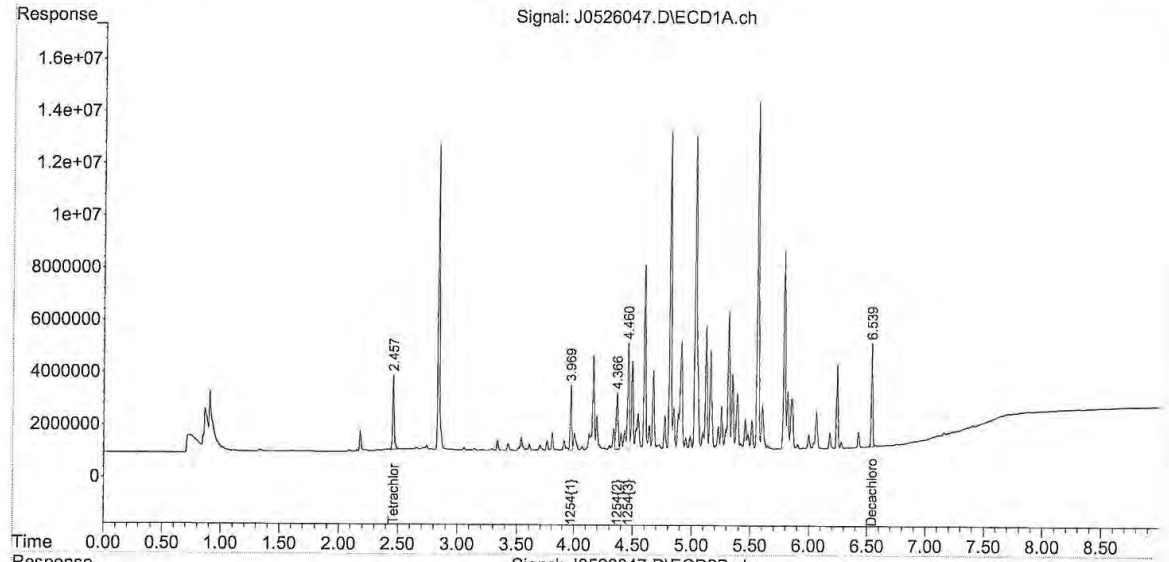
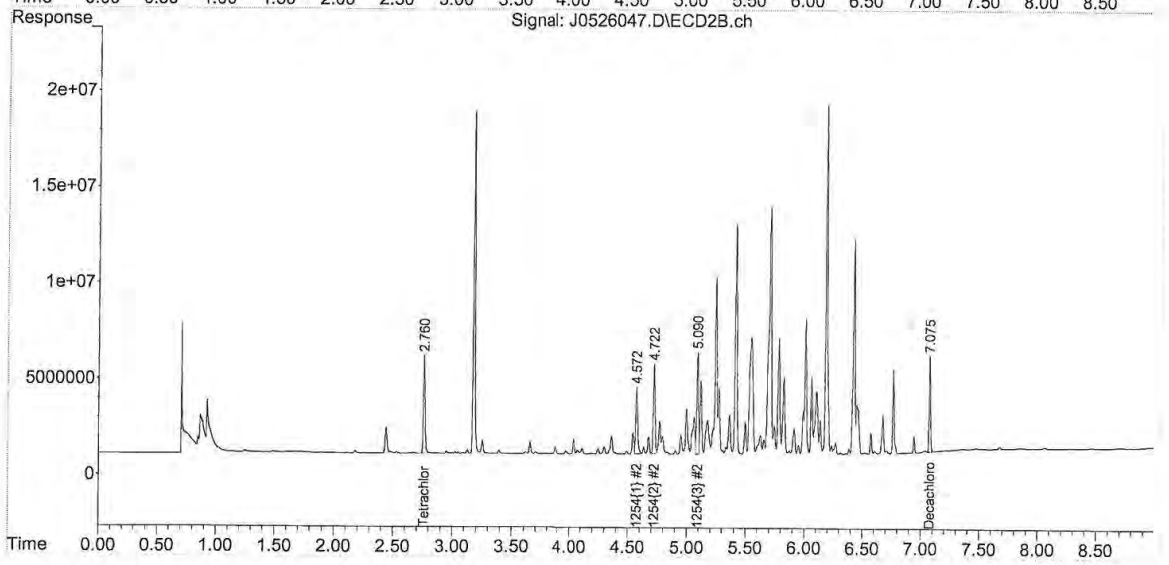
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052615a\
Data File : J0526047.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2015 9:40 am
Operator : JMB
Sample : 15E0658-03@50X Inst : ECD10
Misc :
ALS Vial : 47 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 27 21:28:35 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-052615.M
Quant Title : 1254 01/30/15 09/09/14
QLast Update : Mon Apr 20 21:35:37 2015
Response via : Initial Calibration
Integrator: ChemStation

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





10-1254-052615.M Wed May 27 21:28:47 2015

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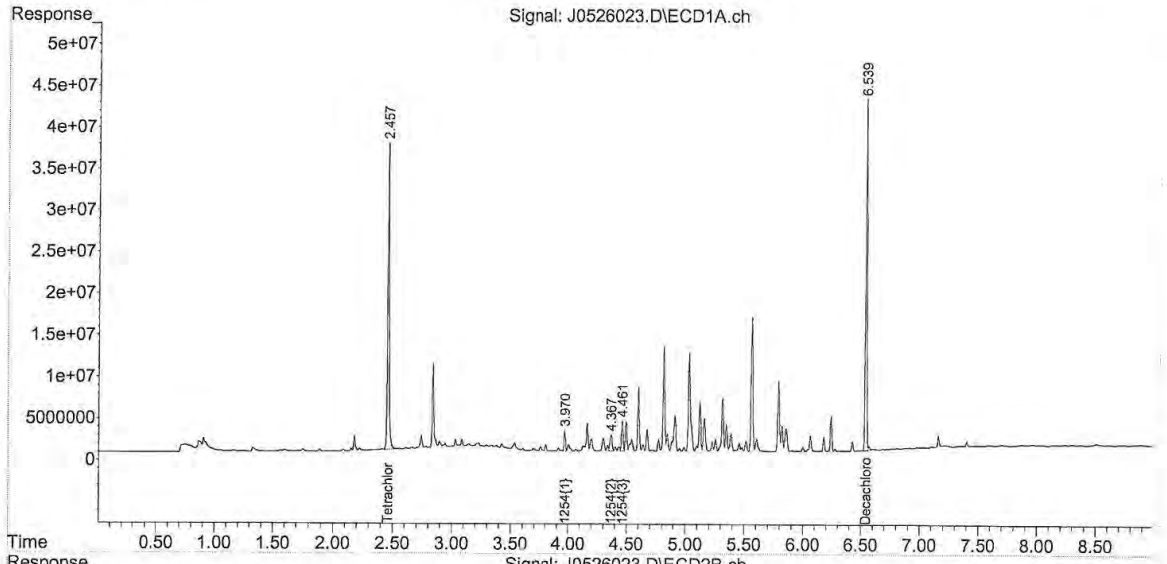
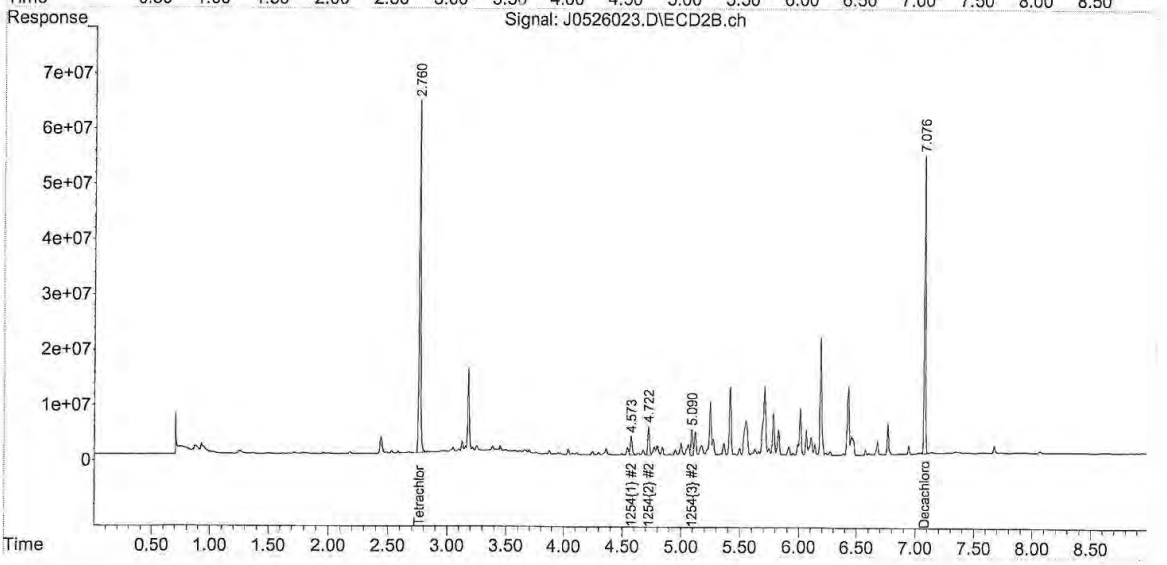
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\052615a\
Data File : J0526023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2015 12:50 am
Operator : JMB
Sample : 15E0658-11@5X TBA Inst : ECD10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: May 27 21:09:42 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-052615.M
Quant Title : 1254 01/30/15 09/09/14
QLast Update : Mon Apr 20 21:35:37 2015
Response via : Initial Calibration
Integrator: ChemStation

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





10-1254-052615.M Wed May 27 21:09:53 2015

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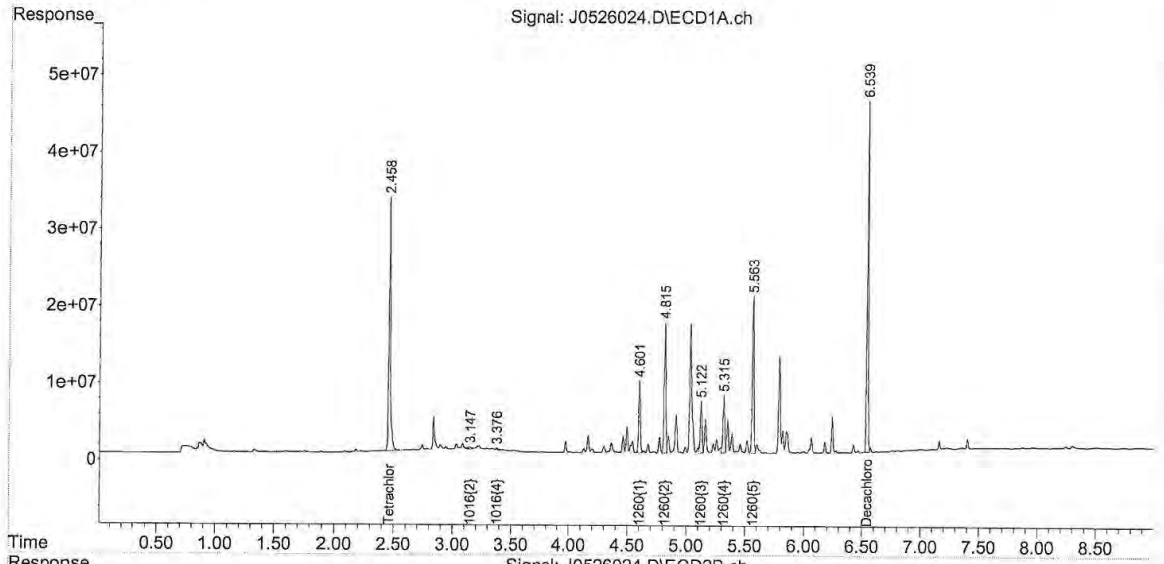
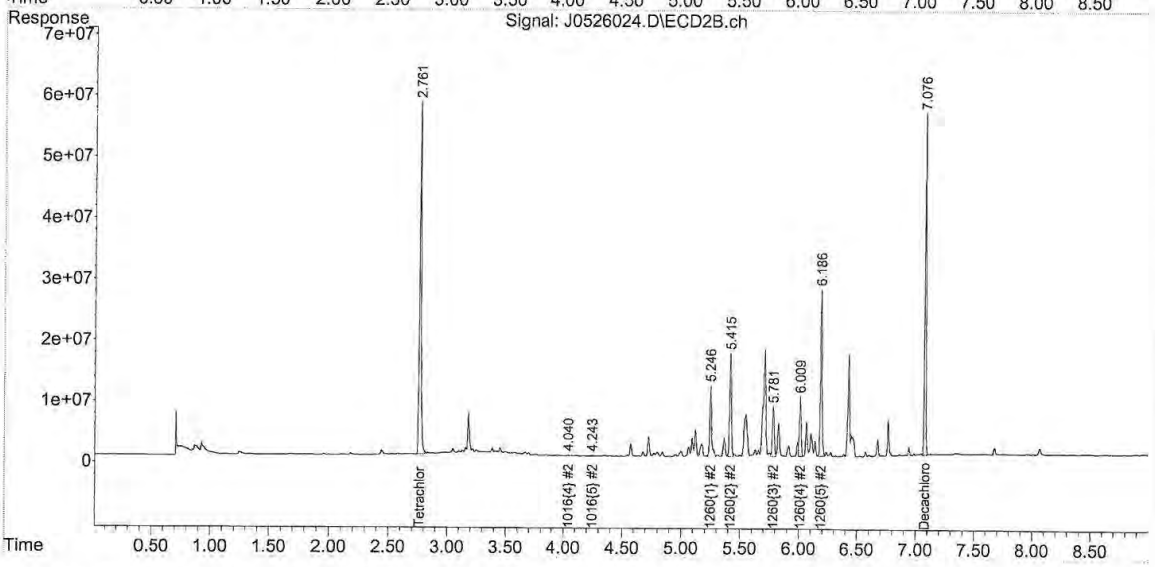
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\data\052615a\
Data File : J0526024.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 27 May 2015    1:02 am
Operator  : JMB
Sample    : 15E0658-12@5X TBA                          Inst    : ECD10
Misc      :
ALS Vial  : 24   Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 27 04:36:06 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 Wed May 27 21:12:23 2015

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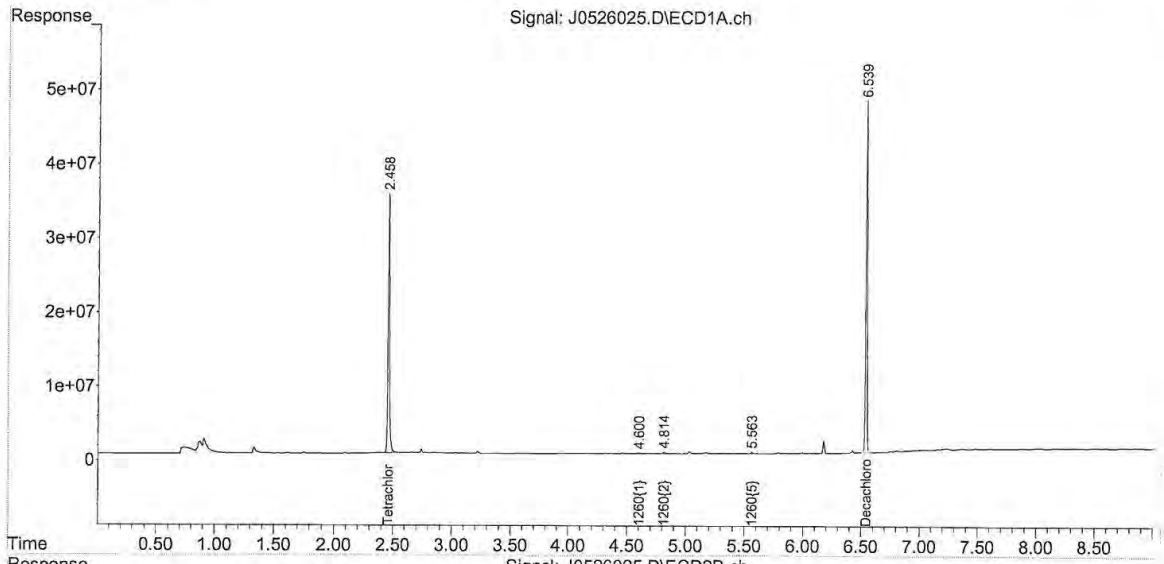
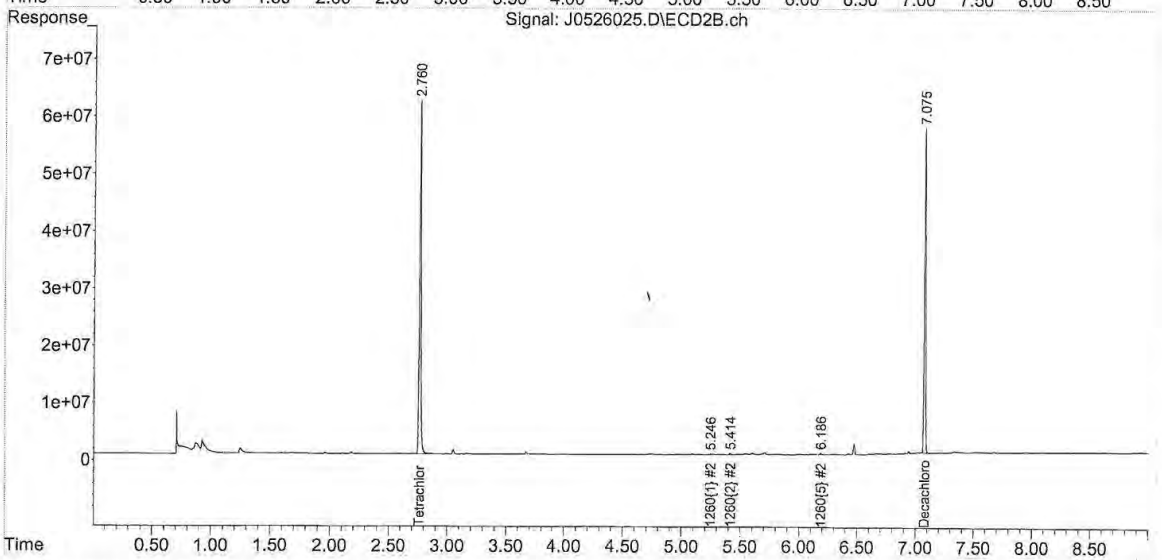
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\052615a\
Data File : J0526025.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2015 1:15 am
Operator : JMB
Sample : 15E0658-17@5X TBA Inst : ECD10
Misc :
ALS Vial : 25 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 27 04:36:10 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 Wed May 27 21:12:37 2015

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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: 15E0658

Laboratory Sample ID(s):

15E0658-01 thru 15E0658-20

Sample Date(s):

05/14/2015

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:** **Laboratory Manager**

Printed Name: **Daren J. Damboragian** **Date:** **05/29/15**

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 29, 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: 15E0660

Enclosed are results of analyses for samples received by the laboratory on May 14, 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: 5/29/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15E0660

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
B129-3	15E0660-01	Soil		SM 2540G	
				SW-846 8082A	
B129-4	15E0660-02	Soil		SM 2540G	
B129-5	15E0660-03	Soil		SM 2540G	
B130-3	15E0660-04	Soil		-	
B130-4	15E0660-05	Soil		-	
B130-5	15E0660-06	Soil		-	
B186-3	15E0660-07	Soil		-	
B186-4	15E0660-08	Soil		-	
B186-5	15E0660-09	Soil		-	
Dup-212	15E0660-10	Soil		-	
Dup-214	15E0660-11	Soil		-	
Dup-215	15E0660-12	Soil		-	
B185-4	15E0660-13	Soil		-	
B185-5	15E0660-14	Soil		-	

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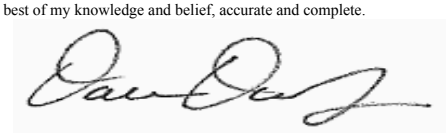
39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

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.



Daren J. Damboragian
Laboratory Manager

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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: 15E0660

Date Received: 5/14/2015

Field Sample #: B129-3 Sampled: 5/14/2015 12:54

Sample ID: 15E0660-01

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	5/23/15	5/27/15 1:27	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:27	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:27	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:27	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:27	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:27	KAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:27	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:27	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	5/23/15	5/27/15 1:27	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.9	30-150		5/27/15 1:27
Decachlorobiphenyl [2]	86.1	30-150		5/27/15 1:27
Tetrachloro-m-xylene [1]	82.6	30-150		5/27/15 1:27
Tetrachloro-m-xylene [2]	90.3	30-150		5/27/15 1:27

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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: 15E0660

Date Received: 5/14/2015

Field Sample #: B129-3 Sampled: 5/14/2015 12:54

Sample ID: 15E0660-01

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	85.8		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0660

Date Received: 5/14/2015

Field Sample #: B129-4 Sampled: 5/14/2015 12:56

Sample ID: 15E0660-02

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	84.0		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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: 15E0660

Date Received: 5/14/2015

Field Sample #: B129-5 Sampled: 5/14/2015 12:58

Sample ID: 15E0660-03

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	84.1		% Wt	1		SM 2540G	5/22/15	5/23/15 14:42	MJR

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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
15E0660-01 [B129-3]	B122416	05/22/15
15E0660-02 [B129-4]	B122416	05/22/15
15E0660-03 [B129-5]	B122416	05/22/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15E0660-01 [B129-3]	B122431	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 B122431 - SW-846 3540C										
Blank (B122431-BLK1)				Prepared: 05/23/15 Analyzed: 05/26/15						
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	*0.200*		mg/Kg wet	0.200		99.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.191*		mg/Kg wet	0.200		95.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		89.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.187*		mg/Kg wet	0.200		93.5	30-150			
LCS (B122431-BS1)				Prepared: 05/23/15 Analyzed: 05/26/15						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		99.1	40-140			
Aroclor-1016 [2C]	0.21	0.10	mg/Kg wet	0.200		104	40-140			
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		108	40-140			
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200		111	40-140			
Surrogate: Decachlorobiphenyl	*0.212*		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.205*		mg/Kg wet	0.200		102	30-150			
Surrogate: Tetrachloro-m-xylene	*0.168*		mg/Kg wet	0.200		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.185*		mg/Kg wet	0.200		92.4	30-150			
LCS Dup (B122431-BSD1)				Prepared: 05/23/15 Analyzed: 05/26/15						
Aroclor-1016	0.20	0.10	mg/Kg wet	0.200		101	40-140	1.65	30	
Aroclor-1016 [2C]	0.22	0.10	mg/Kg wet	0.200		109	40-140	4.61	30	
Aroclor-1260	0.22	0.10	mg/Kg wet	0.200		110	40-140	1.38	30	
Aroclor-1260 [2C]	0.22	0.10	mg/Kg wet	0.200		112	40-140	1.17	30	
Surrogate: Decachlorobiphenyl	*0.218*		mg/Kg wet	0.200		109	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.210*		mg/Kg wet	0.200		105	30-150			
Surrogate: Tetrachloro-m-xylene	*0.181*		mg/Kg wet	0.200		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.199*		mg/Kg wet	0.200		99.5	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B122431-BS1 Date(s) Analyzed: 05/26/2015 05/26/2015

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	6
Aroclor-1260	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.22	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

LCS Dup

Lab Sample ID: B122431-BSD1 Date(s) Analyzed: 05/26/2015 05/26/2015

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	0.22	9
Aroclor-1260	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.22	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 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

From: Gendron, Kenneth [GendronK@wseinc.com]
Sent: Friday, May 22, 2015 4:28 PM
To: Jim Georgantas
Cc: Sirotnak, William; Figurelli, John
Subject: Fwd: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Good afternoon Jim

Here are my additional run requests for Berlin

Please analyze the following:
123-3 & 4
124-3 & 4
125-3 & 4
127-3 & 4
128-3
129-3
183-3 & 4

Please extract and hold the following:
123-5
124-5
125-5
127-5
128-4 & 5
129-4 & 5
183-4 & 5

Thank you very much and have a great weekend.

Ken

-------- Original message --------
From: "Con-Test Reports (Unattended Mailbox - Do Not Reply)"
Date:05/22/2015 1:27 PM (GMT-05:00)
To: christopher.soroka@eversource.com
Cc: "Gendron, Kenneth" , jgeorgantas@contestlabs.com
Subject: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

This is an automated email message from the Element DataSystem® LIMS at Con-Test Analytical Laboratory. It includes one or more file attachments. If you have any questions about this email or if this email has been sent to you in error, please contact:

Con-Test Analytical Laboratory
39 Spruce Street
East Longmeadow, MA 01028
413.525.2332 Phone
413.525.6405 Fax

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

15E0660

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	B129-3	5/14/15	1254		X	S	U			✓	1		
02	B129-4		1256							✓			
03	B129-5		1258							✓			
04	B130-3		1314							✓			
05	B130-4		1316							✓			
06	B130-5		1318							✓			
07	B186-3		1324							✓			
08	B186-4		1326							✓			
09	B186-5		1328							✓			
10	Dup-212	✓	—		✓	✓	✓			✓			

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 on 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)	5/14/15	Date/Time: 16:00
Received by: (signature)	5/14/15	Date/Time: 16:00
Relinquished by: (signature)	5/14/15	Date/Time: 1720
Received by: (signature)	5/14/15	Date/Time: 1720

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

CHAIN OF CUSTODY RECORD

15E0660

39 Spruce Street
East longmeadow, MA 01028

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
										ANALYSIS REQUESTED	1		A
11	Dup-214	5/14/15	—		X	S	U			✓			
12	dup-215	↓	—		X	S	U			✓			
13	B185-4		1246		X	S	U			✓			
14	B185-5	↓	1248		X	S	U			✓			

Dissolved Metals
○ Field Filtered
○ Lab to Filter

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

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

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

Comments: Please 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

		Date/Time:
Relinquished by: (signature)	5/14/15	1600
Received by: (signature)	5.14.15	1600
Relinquished by: (signature)	5.14.15	1730
Received by: (signature)	2.8°C 5/14/15	1720

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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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: RF DATE: 5/14/15

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 2.8 °C
5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____
6) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____
7) Location where samples are stored: 19
Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____
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	34
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:
Sample "B185-1" on COC, labeled "B185-3" on jar.
Times/dates do match.

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.	F	see lab comments
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: 5/14/15 1720

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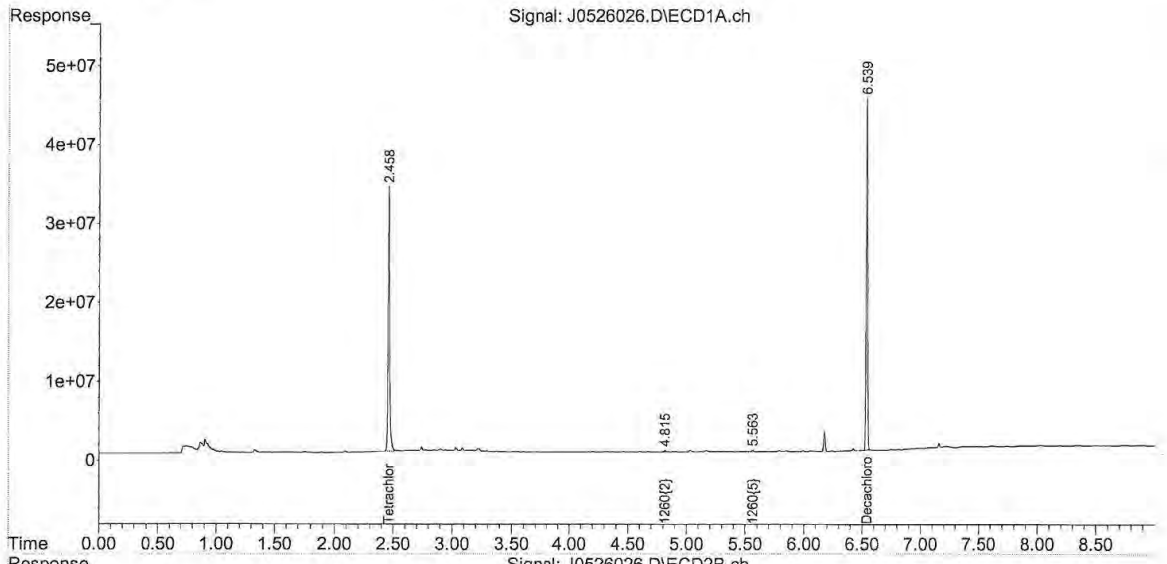
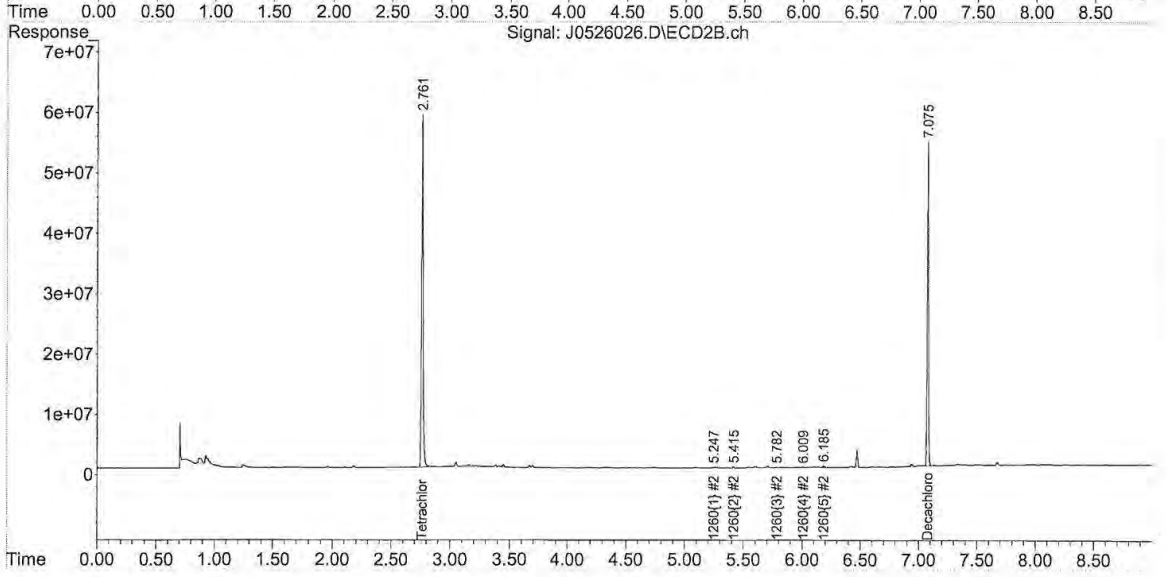
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\052615a\
Data File : J0526026.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2015 1:27 am
Operator : JMB
Sample : 15E0660-01@5X TBA Inst : ECD10
Misc :
ALS Vial : 26 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: May 27 04:36:13 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 Wed May 27 21:12:43 2015

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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: 15E0660

Laboratory Sample ID(s):

15E0660-01 thru 15E0660-14

Sample Date(s):

05/14/2015

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:** **Laboratory Manager**

Printed Name: **Daren J. Damboragian** **Date:** **05/29/15**

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

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 11, 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: 15F0161

Enclosed are results of analyses for samples received by the laboratory on June 3, 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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B123680 8
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Certifications 12
Chain of Custody/Sample Receipt 13

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con-test® ANALYTICAL LABORATORY
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Northeast Utilities
P.O. Box 270
Hartford, CT 06141
ATTN: Chris Soroka

REPORT DATE: 6/11/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15F0161

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
B165-5	15F0161-01	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:

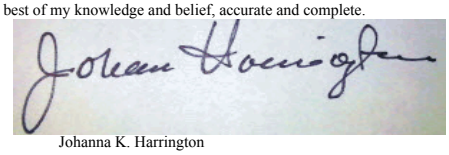
H-10

Analysis was requested after the recommended holding time had passed.

Analyte & Samples(s) Qualified:

15F0161-01[B165-5]

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
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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15F0161

Date Received: 6/3/2015

Field Sample #: B165-5 Sampled: 5/13/2015 13:18

Sample ID: 15F0161-01

Sample Matrix: Soil

Sample Flags: H-10

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	6/9/15	6/10/15 15:12	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/9/15	6/10/15 15:12	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/9/15	6/10/15 15:12	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/9/15	6/10/15 15:12	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/9/15	6/10/15 15:12	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/9/15	6/10/15 15:12	KAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/9/15	6/10/15 15:12	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/9/15	6/10/15 15:12	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/9/15	6/10/15 15:12	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		6/10/15 15:12
Decachlorobiphenyl [2]	98.6	30-150		6/10/15 15:12
Tetrachloro-m-xylene [1]	76.4	30-150		6/10/15 15:12
Tetrachloro-m-xylene [2]	85.3	30-150		6/10/15 15:12

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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: 15F0161

Date Received: 6/3/2015

Field Sample #: B165-5 Sampled: 5/13/2015 13:18

Sample ID: 15F0161-01

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	83.7		% Wt	1		SM 2540G	6/9/15	6/10/15 10:53	MJR

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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
15F0161-01 [B165-5]	B123704	06/09/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15F0161-01 [B165-5]	B123680	10.0	10.0	06/09/15

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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 B123680 - SW-846 3540C										
Blank (B123680-BLK1)				Prepared: 06/09/15 Analyzed: 06/10/15						
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	*0.192*		mg/Kg wet	0.200		96.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.181*		mg/Kg wet	0.200		90.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.164*		mg/Kg wet	0.200		82.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.172*		mg/Kg wet	0.200		86.1	30-150			
LCS (B123680-BS1)				Prepared: 06/09/15 Analyzed: 06/10/15						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		99.7	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		100	40-140			
Aroclor-1260	0.21	0.020	mg/Kg wet	0.200		106	40-140			
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.200		103	40-140			
Surrogate: Decachlorobiphenyl	*0.208*		mg/Kg wet	0.200		104	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.200		98.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.181*		mg/Kg wet	0.200		90.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		93.9	30-150			
LCS Dup (B123680-BSD1)				Prepared: 06/09/15 Analyzed: 06/10/15						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		79.6	40-140	22.5	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		80.1	40-140	22.2	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		81.2	40-140	26.6	30	
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		80.3	40-140	24.7	30	
Surrogate: Decachlorobiphenyl	*0.163*		mg/Kg wet	0.200		81.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.155*		mg/Kg wet	0.200		77.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.139*		mg/Kg wet	0.200		69.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.146*		mg/Kg wet	0.200		73.1	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B123680-BS1 Date(s) Analyzed: 06/10/2015 06/10/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			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	0.21	
	2	0.00	-0.03	0.03	0.21	1

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

SW-846 8082A

LCS Dup

Lab Sample ID: B123680-BSD1 Date(s) Analyzed: 06/10/2015 06/10/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1016	1	0.00	-0.03	0.03	0.16	
	2	0.00	-0.03	0.03	0.16	1
Aroclor-1260	1	0.00	-0.03	0.03	0.16	
	2	0.00	-0.03	0.03	0.16	1

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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.
H-10	Analysis was requested after the recommended holding time had passed.

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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 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	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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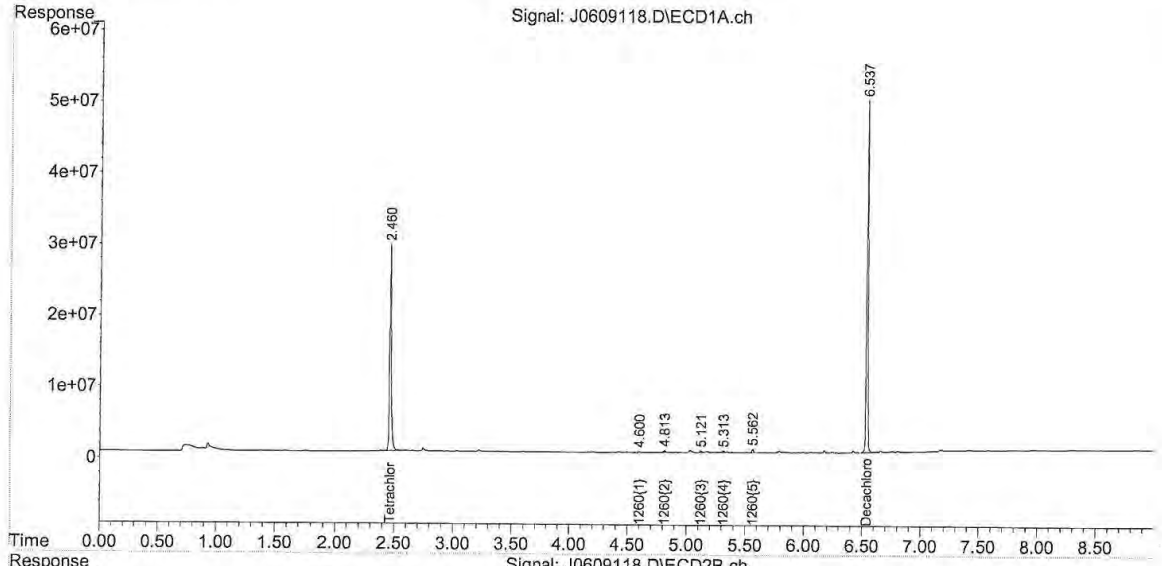
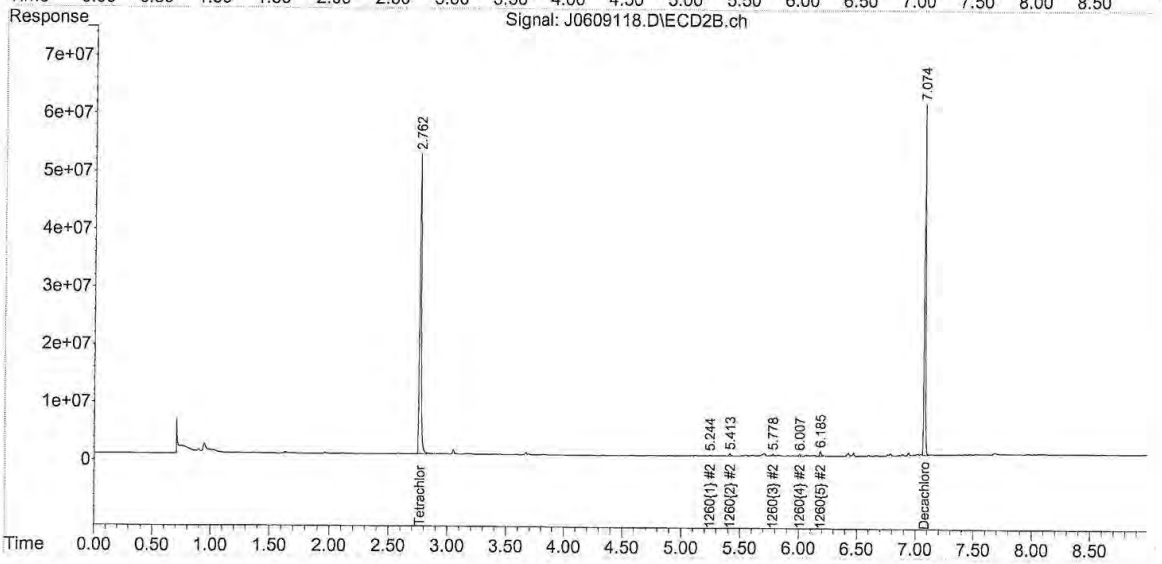
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\060915\
Data File : J0609118.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jun 2015 3:12 pm
Operator : JMB
Sample : 15F0161-01@5X TBA Inst : ECD10
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Jun 10 20:30:44 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 Wed Jun 10 20:30:45 2015

15F0161

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

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15E0591

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)
O yes _____ proposal date

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"

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	B155-4	5-13-15	1216		X	S	U			✓	1		A
02	B155-5		1218							✓			
03	B156-3 ☆		1244							✓			
04	B156-4 ☆		1246							✓			
05	B156-5 ☆☆		1248							✓			
06	B159-3		1254							✓			
07	B159-4		1256							✓			
08	B159-5		1258							✓			
09	B165-1		1310							✓			
10	B165-2	↓	1312		↓	↓	↓			✓			

ANALYSIS REQUESTED

Dissolved Metals
O Field Filtered
O Lab to Filter

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

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

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

Comments: Please 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 3:30
Relinquished by: (signature)	Date/Time:
[signature]	5/13/15 2119
Received by: (signature)	Date/Time:
[signature] 4.3°C	5/13/15 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 ?
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.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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39 Spruce Street
East longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

15E0591

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
11	B165-3	5-13-15	1314		X	S	U			✓	1	I	A
12	B165-4	"	1316		"	"	"			✓	"	"	"
13	B165-5 (X)	"	1315		"	"	"			✓	"	"	"
14	B169-1	"	1330		"	"	"			✓	"	"	"
15	B169-2	"	1332		"	"	"			✓	"	"	"
16	B169-3	"	1334		"	"	"			✓	"	"	"
17	B169-4	"	1336		"	"	"			✓	"	"	"
18	B169-5	"	1338		"	"	"			✓	"	"	"
19	B166-1	"	1350		"	"	"			✓	"	"	"
20	B166-2	↓	1352		↓	↓	↓			✓	"	"	"

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:
(X) 8082 Sox-OL past hold-JMG
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) [signature] 5/13/15	Date/Time: 1700
Relinquished by: (signature) [signature] 5/13/15	Date/Time: 4:15
Received by: (signature) [signature] 4:35 5/13/15	Date/Time: 11:01 5/15

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

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

con-test ANALYTICAL LABORATORY

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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	760
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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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 1015

Jim Georgantas

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

-----Original Message-----
From: Gendron, Kenneth [mailto:GendronK@wseinc.com]
Sent: Wednesday, June 03, 2015 1:46 PM
To: Jim Georgantas
Subject: RE: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Yes pls.

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

-----Original Message-----
From: Jim Georgantas [mailto:jgeorgantas@contestlabs.com]
Sent: Wednesday, June 03, 2015 1:44 PM
To: Gendron, Kenneth
Subject: RE: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Hi Ken,

This sample has yet to be extracted. Please let me know if we should proceed.

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

-----Original Message-----
From: Gendron, Kenneth [mailto:GendronK@wseinc.com]
Sent: Wednesday, June 03, 2015 12:36 PM
To: Jim Georgantas
Subject: FW: Con-Test Analytical Laboratory Berlin Settling Pond: [none]

Hi Jim,

Can you please have 156-5 analyzed?

Thank you

Ken

Kenneth J. Gendron, P.G., LSP

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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: 15F0161

Laboratory Sample ID(s):

15F0161-01

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:** **06/11/15**

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 12, 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: 15F0221

Enclosed are results of analyses for samples received by the laboratory on June 4, 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: 6/12/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15F0221

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
B182-3	15F0221-01	Soil		SM 2540G	
				SW-846 8082A	
B182-4	15F0221-02	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:

H-10

Analysis was requested after the recommended holding time had passed.

Analyte & Samples(s) Qualified:

15F0221-01[B182-3], 15F0221-02[B182-4]

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.



Daren J. Damboragian
Laboratory Manager

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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: 15F0221

Date Received: 6/4/2015

Field Sample #: B182-3 Sampled: 5/14/2015 10:04

Sample ID: 15F0221-01

Sample Matrix: Soil

Sample Flags: H-10

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	6/9/15	6/11/15 21:34	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:34	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:34	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:34	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:34	JMB
Aroclor-1254 [2]	0.23	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:34	JMB
Aroclor-1260 [1]	0.77	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:34	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:34	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:34	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.0	30-150		6/11/15 21:34
Decachlorobiphenyl [2]	97.2	30-150		6/11/15 21:34
Tetrachloro-m-xylene [1]	82.9	30-150		6/11/15 21:34
Tetrachloro-m-xylene [2]	92.6	30-150		6/11/15 21:34

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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: 15F0221

Date Received: 6/4/2015

Field Sample #: B182-3 Sampled: 5/14/2015 10:04

Sample ID: 15F0221-01

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	88.9		% Wt	1		SM 2540G	6/9/15	6/10/15 10:53	MJR

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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: 15F0221

Date Received: 6/4/2015

Field Sample #: B182-4 Sampled: 5/14/2015 10:06

Sample ID: 15F0221-02

Sample Matrix: Soil

Sample Flags: H-10

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	6/9/15	6/11/15 21:46	JMB
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:46	JMB
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:46	JMB
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:46	JMB
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:46	JMB
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:46	JMB
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:46	JMB
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:46	JMB
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/9/15	6/11/15 21:46	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		6/11/15 21:46
Decachlorobiphenyl [2]	99.5	30-150		6/11/15 21:46
Tetrachloro-m-xylene [1]	85.6	30-150		6/11/15 21:46
Tetrachloro-m-xylene [2]	91.4	30-150		6/11/15 21:46

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Project Location: Berlin Settling Pond (Berlin, CT) Sample Description: Work Order: 15F0221

Date Received: 6/4/2015

Field Sample #: B182-4 Sampled: 5/14/2015 10:06

Sample ID: 15F0221-02

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	89.2		% Wt	1		SM 2540G	6/9/15	6/10/15 10:53	MJR

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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
15F0221-01 [B182-3]	B123704	06/09/15
15F0221-02 [B182-4]	B123704	06/09/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15F0221-01 [B182-3]	B123736	10.2	10.0	06/09/15
15F0221-02 [B182-4]	B123736	10.1	10.0	06/09/15

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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 B123736 - SW-846 3540C										
Blank (B123736-BLK1)				Prepared: 06/09/15 Analyzed: 06/11/15						
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	*0.246*		mg/Kg wet	0.200		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.238*		mg/Kg wet	0.200		119	30-150			
Surrogate: Tetrachloro-m-xylene	*0.235*		mg/Kg wet	0.200		117	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.239*		mg/Kg wet	0.200		120	30-150			
LCS (B123736-BS1)				Prepared: 06/09/15 Analyzed: 06/11/15						
Aroclor-1016	0.22	0.020	mg/Kg wet	0.196		111	40-140			
Aroclor-1016 [2C]	0.22	0.020	mg/Kg wet	0.196		111	40-140			
Aroclor-1260	0.21	0.020	mg/Kg wet	0.196		110	40-140			
Aroclor-1260 [2C]	0.22	0.020	mg/Kg wet	0.196		110	40-140			
Surrogate: Decachlorobiphenyl	*0.242*		mg/Kg wet	0.196		124	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.230*		mg/Kg wet	0.196		117	30-150			
Surrogate: Tetrachloro-m-xylene	*0.220*		mg/Kg wet	0.196		112	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.217*		mg/Kg wet	0.196		111	30-150			
LCS Dup (B123736-BSD1)				Prepared: 06/09/15 Analyzed: 06/11/15						
Aroclor-1016	0.22	0.020	mg/Kg wet	0.198		112	40-140	1.71	30	
Aroclor-1016 [2C]	0.22	0.020	mg/Kg wet	0.198		109	40-140	0.852	30	
Aroclor-1260	0.22	0.020	mg/Kg wet	0.198		111	40-140	2.47	30	
Aroclor-1260 [2C]	0.22	0.020	mg/Kg wet	0.198		111	40-140	1.13	30	
Surrogate: Decachlorobiphenyl	*0.244*		mg/Kg wet	0.198		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.229*		mg/Kg wet	0.198		116	30-150			
Surrogate: Tetrachloro-m-xylene	*0.219*		mg/Kg wet	0.198		110	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.212*		mg/Kg wet	0.198		107	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B182-3

Lab Sample ID: 15F0221-01 Date(s) Analyzed: 06/11/2015 06/11/2015

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	0.19	
	2	0.00	-0.03	0.03	0.23	16.5
Aroclor-1260	1	0.00	-0.03	0.03	0.77	
	2	0.00	-0.03	0.03	0.75	2.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B123736-BS1 Date(s) Analyzed: 06/11/2015 06/11/2015

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	0.21	
	2	0.00	-0.03	0.03	0.22	2

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

SW-846 8082A

LCS Dup

Lab Sample ID: B123736-BSD1 Date(s) Analyzed: 06/11/2015 06/11/2015

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	0.22	
	2	0.00	-0.03	0.03	0.22	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.
H-10	Analysis was requested after the recommended holding time had passed.

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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	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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con-test® ANALYTICAL LABORATORY
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Fax: 413-525-6405
Email: info@contestlabs.com
www.contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

15F0221
15F0657

Page 2 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 DATA DELIVERY (check all that apply) ○ FAX ○ EMAIL ○ WEBSITE
Project Location: Berlin Settling Pond (Berlin, CT) Fax # sorokca@nu.com
Sampled By: Will Sirotnak Email: gendronk@wseinc.com
Project Proposal Provided? (for billing purposes) ○ yes _____ proposal date
Format: ● PDF ● EXCEL ○ GIS ○ OTHER

Con-Test Lab ID (laboratory use only)	Client Sample ID / Description	Collection Beginning Date/Time	Collection Ending Date/Time	Composite	Grab	*Matrix Code	Dom Code	PCBs (Methods 8082)	Soxhlet Extraction (Method 3540C)	Hold Samples	# of Containers	** Preservation	***Container Code
12	B182-1	5/13/15	1000		X	S	U						
12	B182-2		1002										
13	B182-3		1004										
14	B182-4		1006										
15	B182-5		1008										
16	B03-22		1024										
17	B03-24		1026										
18	B03-35		1028										
19	B05-3		1034										
20	B05-4		1036										

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

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 _____

Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:	Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
	5/14/15 1600		5/14/15 1600		5/14/15 1720		5/14/15 1720

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 IS 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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CHAIN OF CUSTODY RECORD

15E0657

39 Spruce Street
East Longmeadow, MA 01028

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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
DATA DELIVERY (check all that apply)
○ FAX ○ EMAIL ○ WEBSITE

Project Location: Berlin Settling Pond (Berlin, CT) Fax # sorokca@nu.com

Sampled By: Will Sirotnak Email: gendronk@wseinc.com

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

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	B143-1	5/14/15	0920		X	S	U						
02	B143-2	1	0922										
03	B143-3		0924										
04	B143-4		0926										
05	B143-5		0928										
06	B181-1		0940										
07	B181-2		0942										
08	B181-3		0944										
09	B181-4		0946										
10	B181-5	↓	0948	↓	↓	↓	↓	↓	↓	↓			

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
Y = 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 extra + analysis

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

Note soxhlet extraction rqmts. for samples and TAT.

Relinquished by: (signature) Date/Time: 5/14/15 1600

Received by: (signature) Date/Time: 5/14/15 1600

Relinquished by: (signature) Date/Time: 5/14/15 1730

Received by: (signature) Date/Time: 5/14/15 1730

Turnaround ††
☐ 7-Day
☐ 10-Day
◉ Other 5DAY
RUSH †
☐ †24-Hr ☐ †48-Hr
☐ †72-Hr ☐ †4-Day
† Require lab approval

Detection Limit Requirements
Massachusetts:
Connecticut:
Other:

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

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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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: 5/14/15

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 [x] Direct from Sampling [ ] Ambient [ ] In Cooler(s) [x]
Were the samples received in Temperature Compliance of (2-6°C)? (Yes) No N/A
Temperature °C by Temp blank _____ Temperature °C by Temp gun 2.8 °C
5) Are there Dissolved samples for the lab to filter? Yes (No)
Who was notified _____ Date _____ Time _____
6) Are there any RUSH or SHORT HOLDING TIME samples? Yes (No)
Who was notified _____ Date _____ Time _____
7) Location where samples are stored: 19
Permission to subcontract samples? Yes No
(Walk-in clients only) if not already approved
Client Signature: _____
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	34
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:
Sample "B185-1" on COC, labeled "B185-3" on jar.
Times/dates do match.

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

Time and Date Frozen:

Doc# 277
Rev. 4 August 2013

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.	F	see lab comments
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 5/14/15 1720

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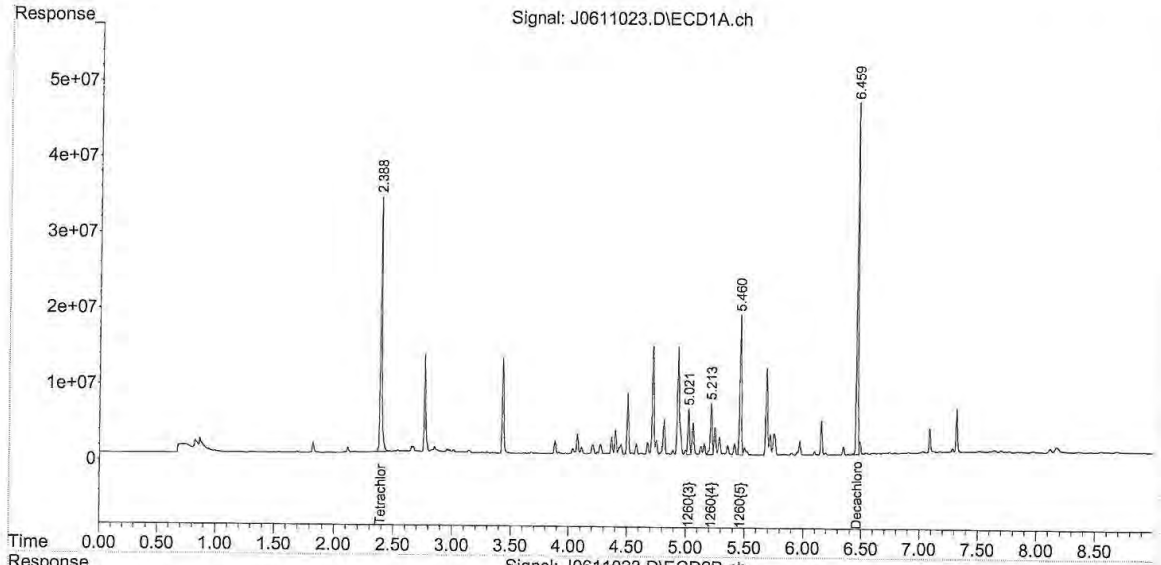
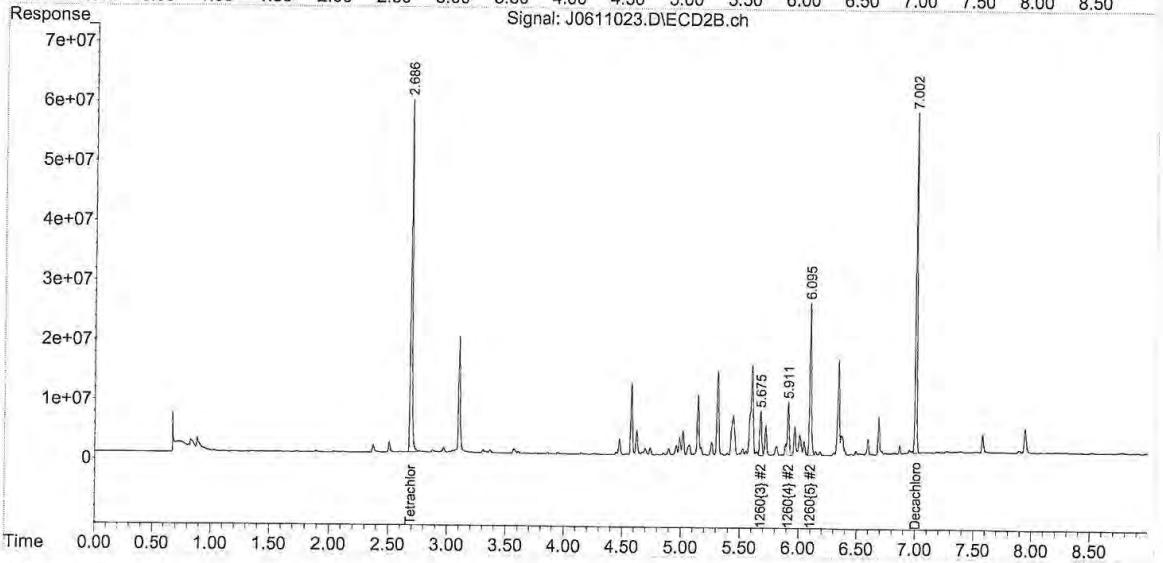
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\061115\
Data File : J0611023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2015 9:34 pm
Operator : JMB
Sample : 15F0221-01@5X Inst : ECD10
Misc :
ALS Vial : 23 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Jun 12 07:18:50 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-061115.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 :





10-1260-061115.M Fri Jun 12 08:56:15 2015

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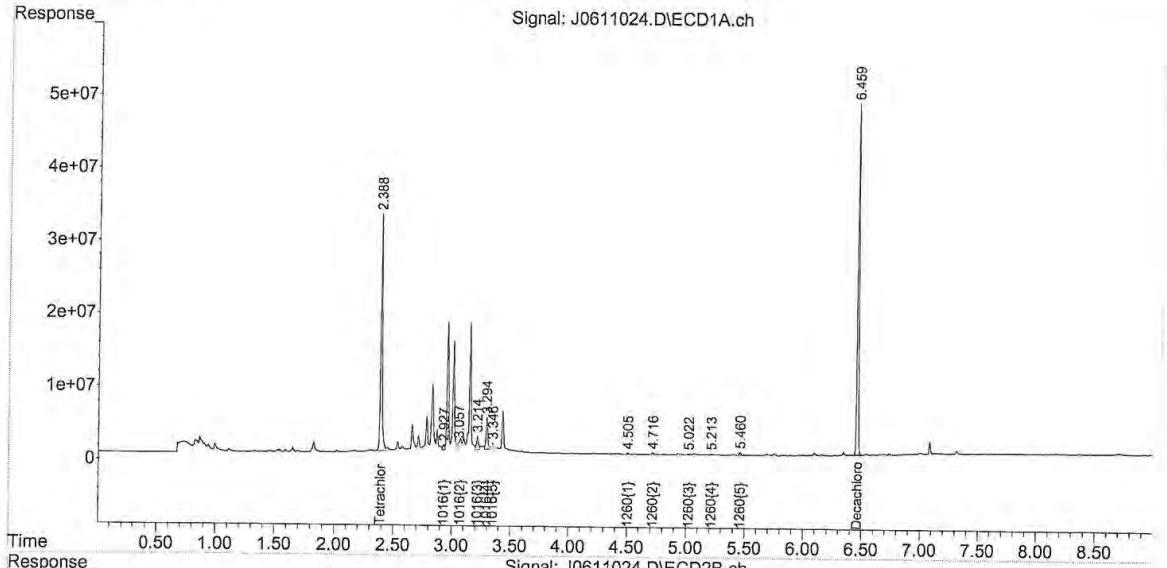
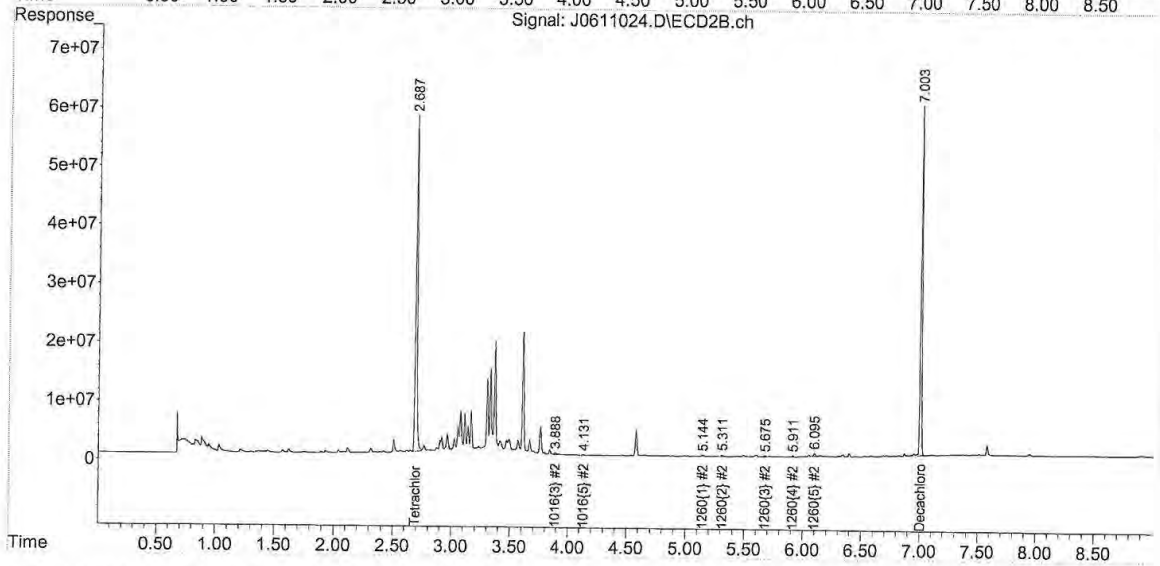
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\061115\
Data File : J0611024.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2015 9:46 pm
Operator : JMB
Sample : 15F0221-02@5X Inst : ECD10
Misc :
ALS Vial : 24 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Jun 12 06:48:32 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-061115.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 :





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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: 15F0221

Laboratory Sample ID(s):

15F0221-01 thru 15F0221-02

Sample Date(s):

05/14/2015

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:** **Laboratory Manager**

Printed Name: **Daren J. Damboragian** **Date:** **06/12/15**

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

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 16, 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: 15F0442

Enclosed are results of analyses for samples received by the laboratory on June 9, 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: 6/16/2015

PURCHASE ORDER NUMBER: 02274021 Release 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15F0442

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
B148-1	15F0442-01	Soil		SM 2540G	
				SW-846 8082A	
B148-2	15F0442-02	Soil		SM 2540G	
				SW-846 8082A	
B148-3	15F0442-03	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:

H-10

Analysis was requested after the recommended holding time had passed.

Analyte & Samples(s) Qualified:

15F0442-01[B148-1], 15F0442-02[B148-2], 15F0442-03[B148-3]

O-03

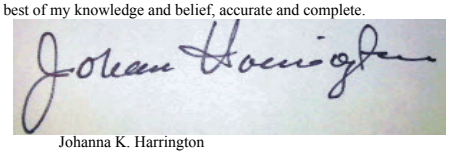
Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.

Analyte & Samples(s) Qualified:

Aroclor-1260
15F0442-01[B148-1]

Aroclor-1260 [2C]
15F0442-01[B148-1]

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: 15F0442

Date Received: 6/9/2015

Field Sample #: B148-1 Sampled: 5/11/2015 10:30

Sample ID: 15F0442-01

Sample Matrix: Soil

Sample Flags: H-10

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	6/11/15	6/15/15 17:07	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:07	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:07	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:07	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:07	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:07	KAL
Aroclor-1260 [2]	0.19	0.11	mg/Kg dry	5	O-03	SW-846 8082A	6/11/15	6/15/15 17:07	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:07	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:07	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual			
Decachlorobiphenyl [1]	103	30-150				6/15/15 17:07
Decachlorobiphenyl [2]	96.6	30-150				6/15/15 17:07
Tetrachloro-m-xylene [1]	83.8	30-150				6/15/15 17:07
Tetrachloro-m-xylene [2]	93.8	30-150				6/15/15 17:07

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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: 15F0442

Date Received: 6/9/2015

Field Sample #: B148-1 Sampled: 5/11/2015 10:30

Sample ID: 15F0442-01

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	88.0		% Wt	1		SM 2540G	6/16/15	6/16/15 8:17	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: 15F0442

Date Received: 6/9/2015

Field Sample #: B148-2 Sampled: 5/11/2015 10:32

Sample ID: 15F0442-02

Sample Matrix: Soil

Sample Flags: H-10

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	6/11/15	6/15/15 17:19	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:19	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:19	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:19	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:19	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:19	KAL
Aroclor-1260 [1]	0.72	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:19	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:19	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:19	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		6/15/15 17:19
Decachlorobiphenyl [2]	98.2	30-150		6/15/15 17:19
Tetrachloro-m-xylene [1]	84.4	30-150		6/15/15 17:19
Tetrachloro-m-xylene [2]	94.3	30-150		6/15/15 17:19

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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: 15F0442

Date Received: 6/9/2015

Field Sample #: B148-2 Sampled: 5/11/2015 10:32

Sample ID: 15F0442-02

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	88.6		% Wt	1		SM 2540G	6/16/15	6/16/15 8:17	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: 15F0442

Date Received: 6/9/2015

Field Sample #: B148-3 Sampled: 5/11/2015 10:34

Sample ID: 15F0442-03

Sample Matrix: Soil

Sample Flags: H-10

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	6/11/15	6/15/15 17:31	KAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:31	KAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:31	KAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:31	KAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:31	KAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:31	KAL
Aroclor-1260 [1]	0.41	0.12	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:31	KAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:31	KAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:31	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		6/15/15 17:31
Decachlorobiphenyl [2]	102	30-150		6/15/15 17:31
Tetrachloro-m-xylene [1]	84.9	30-150		6/15/15 17:31
Tetrachloro-m-xylene [2]	94.4	30-150		6/15/15 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: 15F0442

Date Received: 6/9/2015

Field Sample #: B148-3 Sampled: 5/11/2015 10:34

Sample ID: 15F0442-03

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	84.8		% Wt	1		SM 2540G	6/16/15	6/16/15 8:17	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
15F0442-01 [B148-1]	B122229	06/16/15
15F0442-02 [B148-2]	B122229	06/16/15
15F0442-03 [B148-3]	B122229	06/16/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15F0442-01 [B148-1]	B123902	10.0	10.0	06/11/15
15F0442-02 [B148-2]	B123902	10.2	10.0	06/11/15
15F0442-03 [B148-3]	B123902	10.1	10.0	06/11/15

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 B123902 - SW-846 3540C										
Blank (B123902-BLK1)				Prepared: 06/11/15 Analyzed: 06/15/15						
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	*0.203*		mg/Kg wet	0.192		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.194*		mg/Kg wet	0.192		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.165*		mg/Kg wet	0.192		86.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.175*		mg/Kg wet	0.192		91.2	30-150			
LCS (B123902-BS1)				Prepared: 06/11/15 Analyzed: 06/15/15						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.196		96.2	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.196		97.9	40-140			
Aroclor-1260	0.20	0.020	mg/Kg wet	0.196		104	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.196		101	40-140			
Surrogate: Decachlorobiphenyl	*0.206*		mg/Kg wet	0.196		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.196		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.166*		mg/Kg wet	0.196		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.175*		mg/Kg wet	0.196		89.3	30-150			
LCS Dup (B123902-BSD1)				Prepared: 06/11/15 Analyzed: 06/15/15						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.199		100	40-140	5.87	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.199		103	40-140	7.00	30	
Aroclor-1260	0.22	0.020	mg/Kg wet	0.199		110	40-140	7.21	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.199		107	40-140	7.30	30	
Surrogate: Decachlorobiphenyl	*0.223*		mg/Kg wet	0.199		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.212*		mg/Kg wet	0.199		106	30-150			
Surrogate: Tetrachloro-m-xylene	*0.180*		mg/Kg wet	0.199		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.189*		mg/Kg wet	0.199		95.0	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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B148-1

Lab Sample ID: 15F0442-01 Date(s) Analyzed: 06/15/2015 06/15/2015

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	0.18	
	2	0.00	-0.03	0.03	0.19	7.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

B148-2

Lab Sample ID: 15F0442-02 Date(s) Analyzed: 06/15/2015 06/15/2015

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	0.72	
	2	0.00	-0.03	0.03	0.70	2.3

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

SW-846 8082A

B148-3

Lab Sample ID: 15F0442-03 Date(s) Analyzed: 06/15/2015 06/15/2015

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	0.41	
	2	0.00	-0.03	0.03	0.40	2.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B123902-BS1 Date(s) Analyzed: 06/15/2015 06/15/2015

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	0.19	
	2	0.00	-0.03	0.03	0.19	1
Aroclor-1260	1	0.00	-0.03	0.03	0.20	
	2	0.00	-0.03	0.03	0.20	2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B123902-BSD1 Date(s) Analyzed: 06/15/2015 06/15/2015

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	0.20	
	2	0.00	-0.03	0.03	0.21	5
Aroclor-1260	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.21	5

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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.
H-10	Analysis was requested after the recommended holding time had passed.
O-03	Sample contains two incompletely resolved aroclors. Aroclor with the closest matching pattern is reported.

con-test® ANALYTICAL LABORATORY
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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	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

15F0442

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

15E0433

Page 2 of 7

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

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	8082 soxhlet
11-01	B148-1	5/11/15	1030		X	S	U			✓	X
12-02	B148-2		1032							✓	X
13-03	B148-3		1034							✓	X
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

# 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: 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: 37
Relinquished by: (signature)	5/11/15	Date/Time: 44
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 # _____

NELAC & AIHA Certified
WBE/DBE Certified

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

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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15F0442

CHAIN OF CUSTODY RECORD

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

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~~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 Sivathat

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~~	B150-1	5/11/15	1000		X	S	U	1		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

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 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: 341
Relinquished by: (signature)	5/11/15	Date/Time:
Received by: (signature)	5.3 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
MELAC & 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 AS INCORRECT. TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.

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Sample Receipt Checklist

CLIENT NAME: Weston and Sampson (WUSCO) RECEIVED BY: IDL 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

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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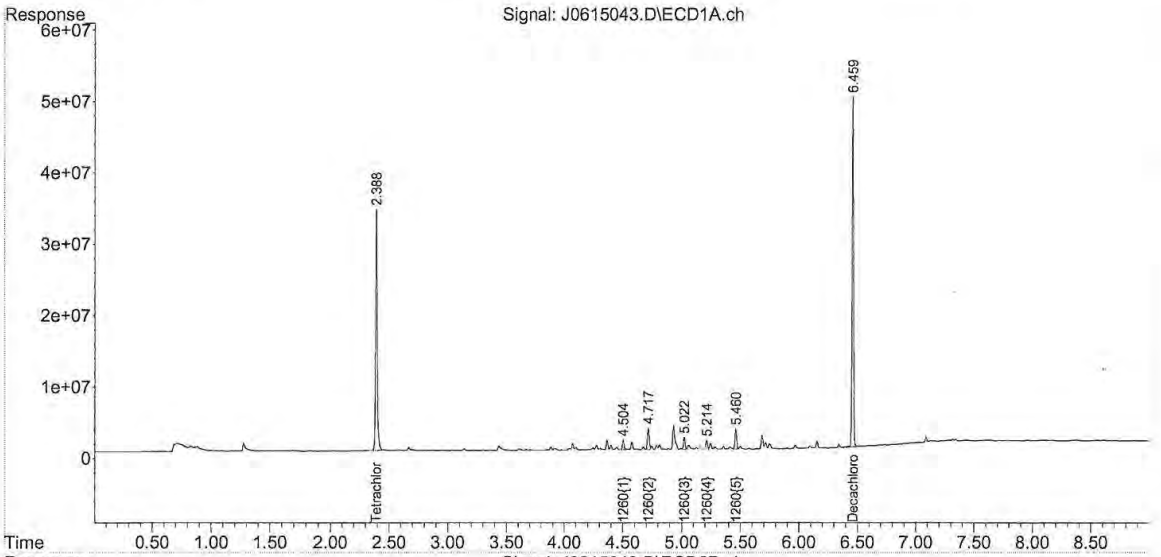
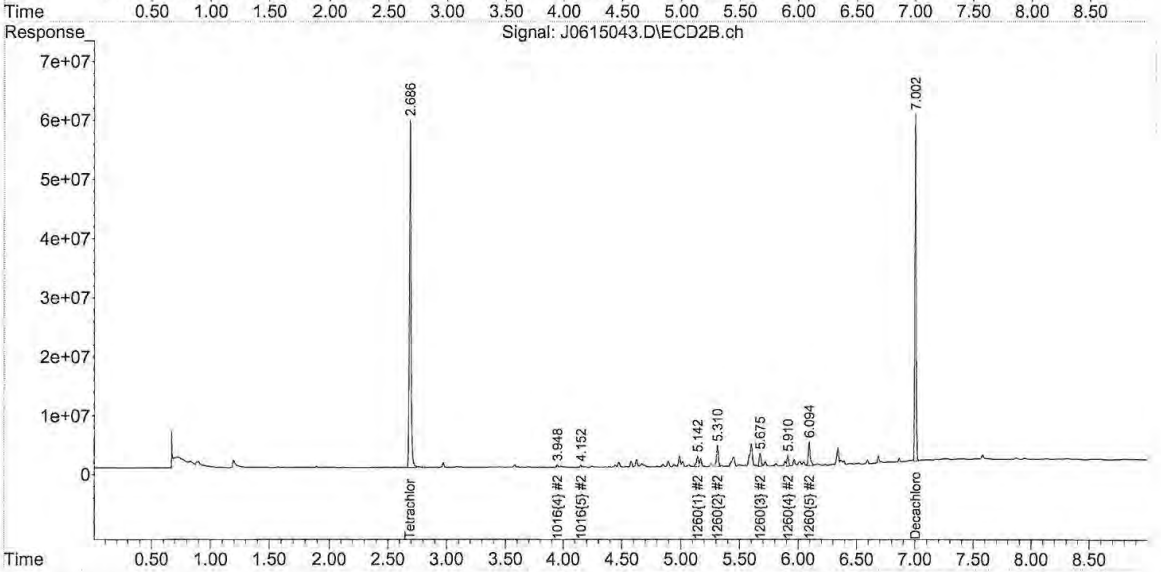
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\061515\
Data File : J0615043.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jun 2015 5:07 pm
Operator : JMB
Sample : 15F0442-01@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: Jun 16 04:30:05 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-061115.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 :





10-1260-061115.M Tue Jun 16 04:30:06 2015

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Quantitation Report (Not Reviewed)

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Data Path : C:\msdchem\1\data\061515\
Data File : J0615044.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 15 Jun 2015   5:19 pm
Operator  : JMB
Sample    : 15F0442-02@5X TBA                    Inst    : ECD10
Misc      :
ALS Vial  : 44   Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Jun 16 04:30:09 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-061115.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 :
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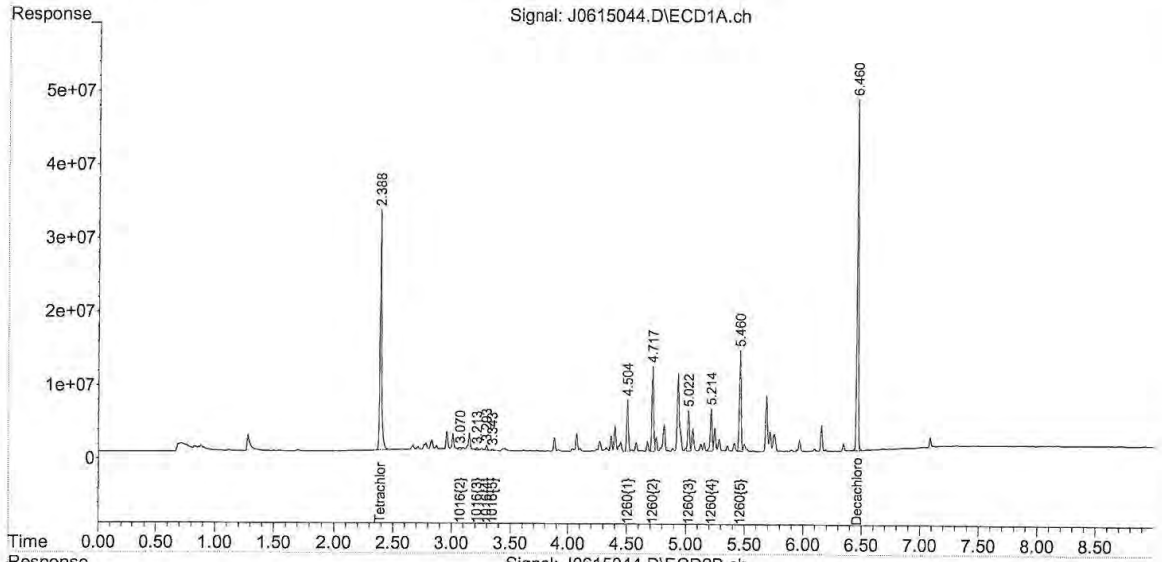

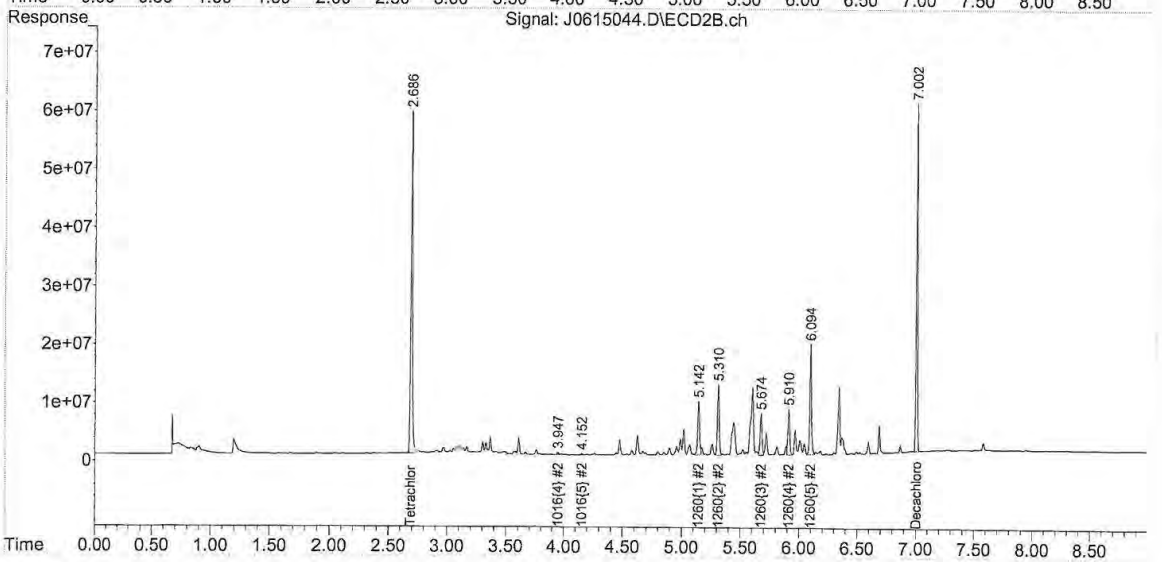

10-1260-061115.M Tue Jun 16 04:30:10 2015

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Quantitation Report (Not Reviewed)

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Data Path : C:\msdchem\1\data\061515\
Data File : J0615045.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 15 Jun 2015    5:31 pm
Operator  : JMB
Sample    : 15F0442-03@5X TBA                          Inst    : ECD10
Misc      :
ALS Vial  : 45   Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Jun 16 04:30:13 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-061115.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 :
```

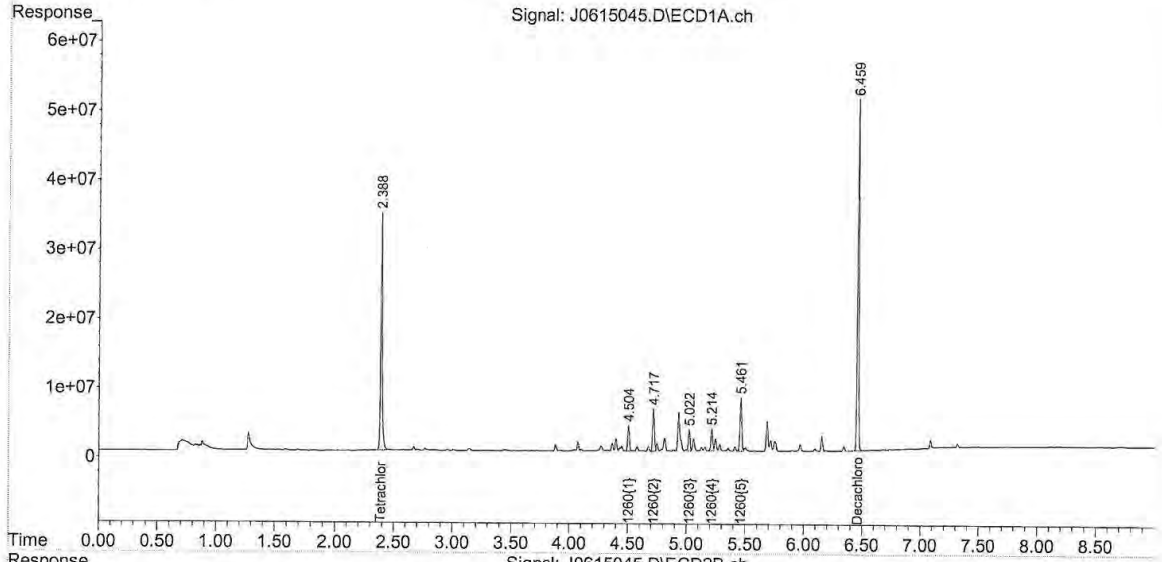

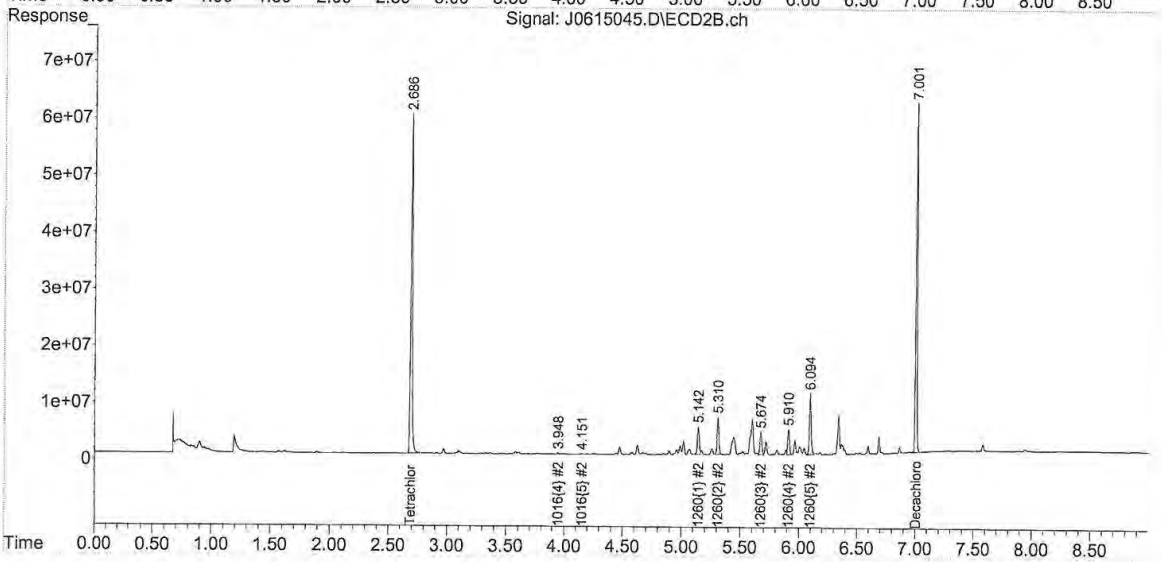

10-1260-061115.M Tue Jun 16 04:30:14 2015

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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: 15F0442

Laboratory Sample ID(s):

15F0442-01 thru 15F0442-03

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:** **06/16/15**

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 17, 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: 15F0479

Enclosed are results of analyses for samples received by the laboratory on June 10, 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: 6/17/2015

PURCHASE ORDER NUMBER: 02274021 Releoase 5

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 15F0479

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
B127-3	15F0479-01	Soil		SM 2540G	
				SW-846 8082A	
B184-3	15F0479-02	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:

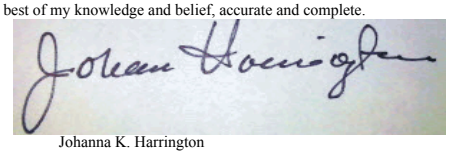
H-10

Analysis was requested after the recommended holding time had passed.

Analyte & Samples(s) Qualified:

15F0479-01[B127-3], 15F0479-02[B184-3]

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: 15F0479

Date Received: 6/10/2015

Field Sample #: B127-3 Sampled: 5/14/2015 11:34

Sample ID: 15F0479-01

Sample Matrix: Soil

Sample Flags: H-10

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	6/11/15	6/15/15 17:43	KAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:43	KAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:43	KAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:43	KAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:43	KAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:43	KAL
Aroclor-1260 [1]	0.67	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:43	KAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:43	KAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	5		SW-846 8082A	6/11/15	6/15/15 17:43	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	95.1	30-150				6/15/15 17:43	
Decachlorobiphenyl [2]	108	30-150				6/15/15 17:43	
Tetrachloro-m-xylene [1]	90.0	30-150				6/15/15 17:43	
Tetrachloro-m-xylene [2]	99.0	30-150				6/15/15 17:43	

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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: 15F0479

Date Received: 6/10/2015

Field Sample #: B127-3 Sampled: 5/14/2015 11:34

Sample ID: 15F0479-01

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	88.6		% Wt	1		SM 2540G	6/16/15	6/17/15 10:09	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: 15F0479

Date Received: 6/10/2015

Field Sample #: B184-3 Sampled: 5/14/2015 12:04

Sample ID: 15F0479-02

Sample Matrix: Soil

Sample Flags: H-10

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/11/15	6/16/15 10:12	KAL
Aroclor-1221 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/11/15	6/16/15 10:12	KAL
Aroclor-1232 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/11/15	6/16/15 10:12	KAL
Aroclor-1242 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/11/15	6/16/15 10:12	KAL
Aroclor-1248 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/11/15	6/16/15 10:12	KAL
Aroclor-1254 [2]	0.99	0.55	mg/Kg dry	25		SW-846 8082A	6/11/15	6/16/15 10:12	KAL
Aroclor-1260 [1]	2.2	0.55	mg/Kg dry	25		SW-846 8082A	6/11/15	6/16/15 10:12	KAL
Aroclor-1262 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/11/15	6/16/15 10:12	KAL
Aroclor-1268 [1]	ND	0.55	mg/Kg dry	25		SW-846 8082A	6/11/15	6/16/15 10:12	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	118	30-150		6/16/15 10:12
Decachlorobiphenyl [2]	125	30-150		6/16/15 10:12
Tetrachloro-m-xylene [1]	94.9	30-150		6/16/15 10:12
Tetrachloro-m-xylene [2]	109	30-150		6/16/15 10:12

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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: 15F0479

Date Received: 6/10/2015

Field Sample #: B184-3 Sampled: 5/14/2015 12:04

Sample ID: 15F0479-02

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	88.8		% Wt	1		SM 2540G	6/16/15	6/17/15 10:09	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
15F0479-01 [B127-3]	B124261	06/16/15
15F0479-02 [B184-3]	B124261	06/16/15

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
15F0479-01 [B127-3]	B123902	10.1	10.0	06/11/15
15F0479-02 [B184-3]	B123902	10.2	10.0	06/11/15

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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 B123902 - SW-846 3540C										
Blank (B123902-BLK1)				Prepared: 06/11/15 Analyzed: 06/15/15						
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	*0.203*		mg/Kg wet	0.192		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.194*		mg/Kg wet	0.192		101	30-150			
Surrogate: Tetrachloro-m-xylene	*0.165*		mg/Kg wet	0.192		86.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.175*		mg/Kg wet	0.192		91.2	30-150			
LCS (B123902-BS1)				Prepared: 06/11/15 Analyzed: 06/15/15						
Aroclor-1016	0.19	0.020	mg/Kg wet	0.196		96.2	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.196		97.9	40-140			
Aroclor-1260	0.20	0.020	mg/Kg wet	0.196		104	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.196		101	40-140			
Surrogate: Decachlorobiphenyl	*0.206*		mg/Kg wet	0.196		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.196		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.166*		mg/Kg wet	0.196		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.175*		mg/Kg wet	0.196		89.3	30-150			
LCS Dup (B123902-BSD1)				Prepared: 06/11/15 Analyzed: 06/15/15						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.199		100	40-140	5.87	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.199		103	40-140	7.00	30	
Aroclor-1260	0.22	0.020	mg/Kg wet	0.199		110	40-140	7.21	30	
Aroclor-1260 [2C]	0.21	0.020	mg/Kg wet	0.199		107	40-140	7.30	30	
Surrogate: Decachlorobiphenyl	*0.223*		mg/Kg wet	0.199		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.212*		mg/Kg wet	0.199		106	30-150			
Surrogate: Tetrachloro-m-xylene	*0.180*		mg/Kg wet	0.199		90.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.189*		mg/Kg wet	0.199		95.0	30-150			

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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 B124216 - % Solids										
Duplicate (B124216-DUP1)	**Source: 15F0479-01**			Prepared: 06/16/15 Analyzed: 06/17/15						
% Solids	88.0		% Wt		89.5			1.69	20	
Duplicate (B124216-DUP2)	**Source: 15F0479-02**			Prepared: 06/16/15 Analyzed: 06/17/15						
% Solids	87.8		% Wt		87.6			0.228	20	
Batch B124261 - % Solids										
Duplicate (B124261-DUP1)	**Source: 15F0479-01**			Prepared: 06/16/15 Analyzed: 06/17/15						
% Solids	88.9		% Wt		88.6			0.338	20	
Duplicate (B124261-DUP2)	**Source: 15F0479-02**			Prepared: 06/16/15 Analyzed: 06/17/15						
% Solids	88.3		% Wt		88.8			0.565	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

B127-3

Lab Sample ID: 15F0479-01 Date(s) Analyzed: 06/15/2015 06/15/2015

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	0.67	
	2	0.00	-0.03	0.03	0.64	4.0

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

B184-3

Lab Sample ID: 15F0479-02 Date(s) Analyzed: 06/16/2015 06/16/2015

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
Aroclor-1254	1	0.00	-0.03	0.03	0.91	
	2	0.00	-0.03	0.03	0.99	7.9
Aroclor-1260	1	0.00	-0.03	0.03	2.2	
	2	0.00	-0.03	0.03	2.2	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

LCS

Lab Sample ID: B123902-BS1 Date(s) Analyzed: 06/15/2015 06/15/2015

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	0.19	
	2	0.00	-0.03	0.03	0.19	1
Aroclor-1260	1	0.00	-0.03	0.03	0.20	
	2	0.00	-0.03	0.03	0.20	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

LCS Dup

Lab Sample ID: B123902-BSD1 Date(s) Analyzed: 06/15/2015 06/15/2015

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	0.20	
	2	0.00	-0.03	0.03	0.21	5
Aroclor-1260	1	0.00	-0.03	0.03	0.22	
	2	0.00	-0.03	0.03	0.21	5

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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.
H-10	Analysis was requested after the recommended holding time had passed.

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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	06/9/2017
VA	Commonwealth of Virginia	460217	12/14/2015
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2015

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15F0479

CHAIN OF CUSTODY RECORD

15E0658

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

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	Will send hit	# of Containers	** Preservation	***Container Code
~~01~~	B125-5	5/14/15	1038		X	S	U			✓				
~~02~~	B124-3		1054							✓				
~~03~~	B124-4		1056							✓				
~~04~~	B124-5		1058							✓				
~~05~~	B126-3		1114							✓				
~~06~~	B126-4		1116							✓				
~~07~~	B126-5		1118							✓				
~~08~~ -01	B127-3		1134							✓	X			
~~09~~	B127-4		1136							✓				
~~10~~	B127-5	↓	1138		✓	✓	✓			✓				

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] 5/14/15	1600
Received by: (signature) [signature] 5/14/15	1600
Relinquished by: (signature) [signature] 5.14.15	17:20
Received by: (signature) [signature] 5/14/15	1720

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 IS 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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CHAIN OF CUSTODY RECORD

15E0658

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	Soxhlet
11	B183-3	5/14/15	1144		X	S	U			✓	
12	B183-4		1146							✓	
13	B183-5		1148							✓	
14-02	B184-3		1204							✓	X
15	B184-4		1206							✓	
16	B184-5		1208							✓	
17	B128-3		1234							✓	
18	B128-4		1236							✓	
19	B128-5		1238							✓	
20	B185-1	↓	1244		↓	↓	↓			✓	

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] 5/14/15	1600
Received by: (signature) [signature] 5/14/15	1600
Relinquished by: (signature) [signature] 5/14/15	1720
Received by: (signature) [signature] 2.8°C 5/14/15	1720

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

# of Containers	** Preservation	***Container Code
1		
1		
A		

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_____

†† 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.
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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: 5/14/15

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 2.8 C

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

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

7) Location where samples are stored: 19

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

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	54
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:
Sample "B185-1" on COC, labeled "B185-3" on jar.
Times/dates do match.

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.	F	see lab comments
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 5/14/15 1720

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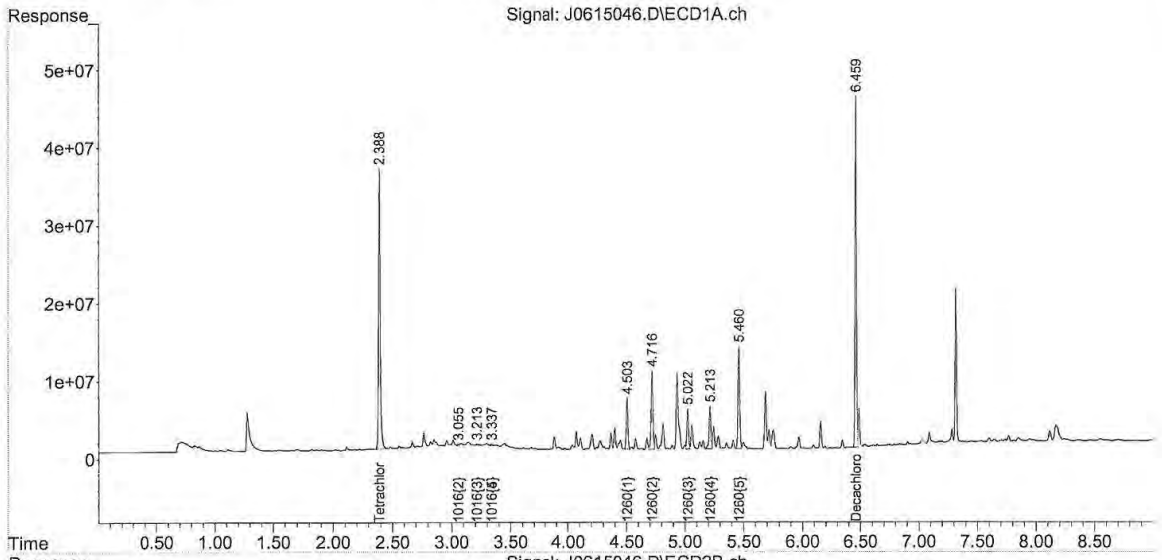
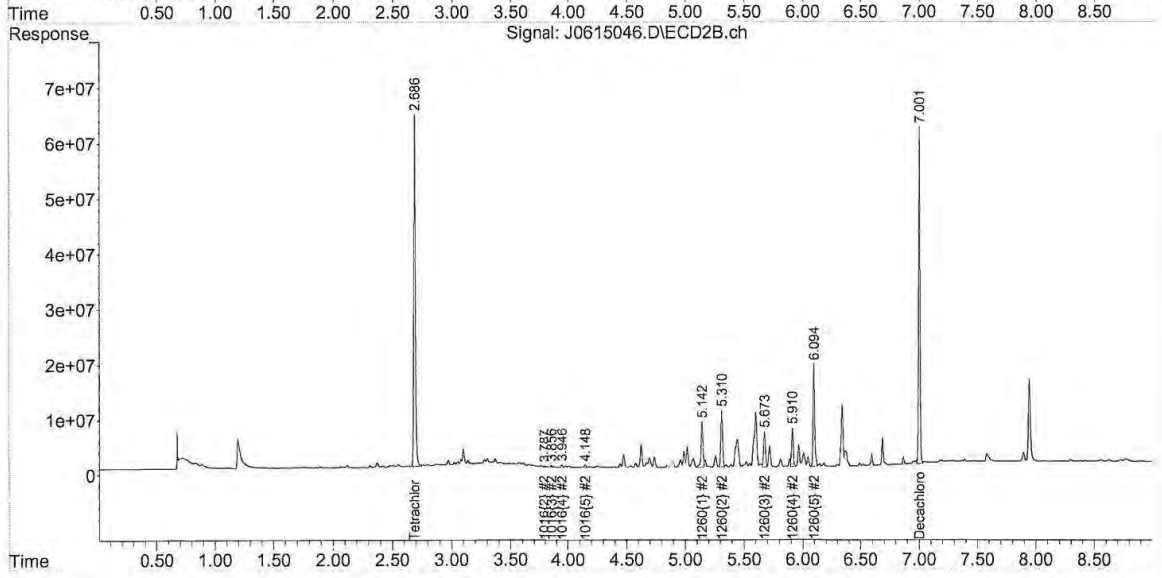
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\061515\
Data File : J0615046.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Jun 2015 5:43 pm
Operator : JMB
Sample : 15F0479-01@5X TBA Inst : ECD10
Misc :
ALS Vial : 46 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Jun 16 04:30:16 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-061115.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 :





10-1260-061115.M Tue Jun 16 04:30:17 2015

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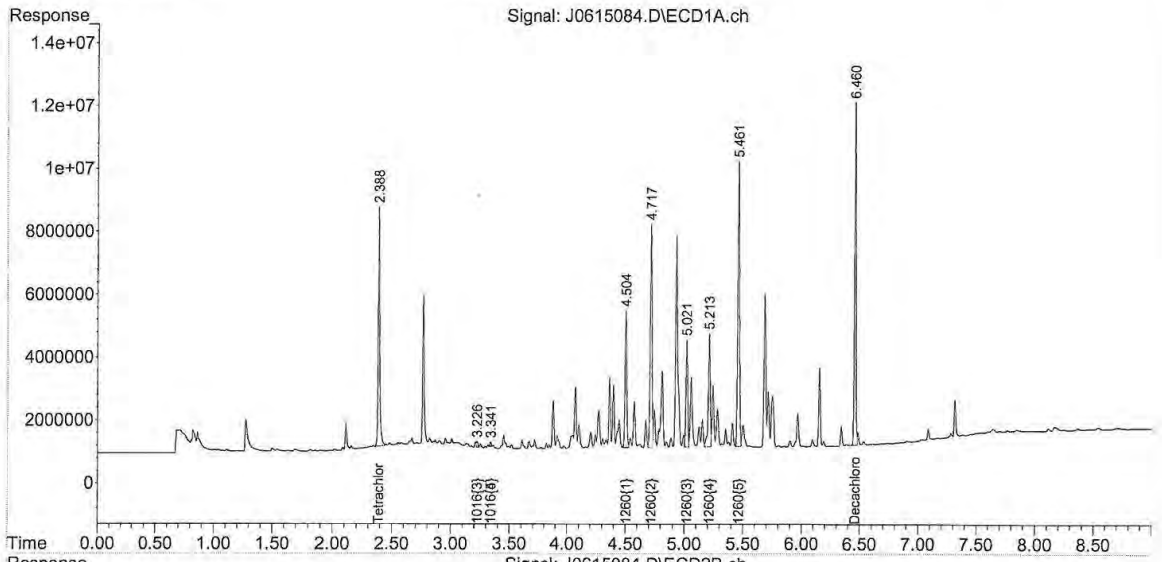
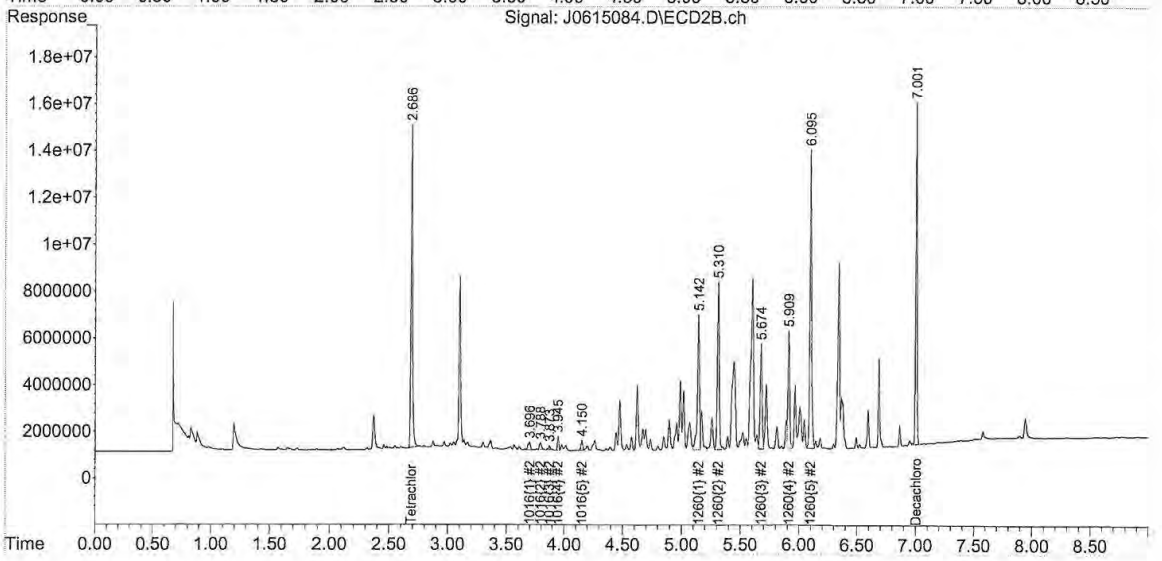
Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\data\061515\
Data File : J0615084.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 16 Jun 2015  10:12 am
Operator  : JMB
Sample    : 15F0479-02@25X                          Inst    : ECD10
Misc      :
ALS Vial  : 84   Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Jun 16 11:28:46 2015
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1260-061115.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 :
```





10-1260-061115.M Tue Jun 16 11:28:47 2015