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: B215443-BS1 Date(s) Analyzed 10/24/2018 10/24/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.42	2.4
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.45	9.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215443-BSD1 Date(s) Analyzed 10/24/2018 10/24/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.40	2.5
Aroclor-1260	1	0.000	0.000	0.000	0.38	
	2	0.000	0.000	0.000	0.42	10.0

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-11	Laboratory fortified blank/laboratory control sample was outside of control limits on the confirmation column, but within control limits on the primary column. All sample results are reported from the column within control criteria.
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.
S-26	Surrogate outside of control limits.
SM-05	Insufficient sample for reanalysis.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
CTDEP ETPH in Soil	
CT ETPH	CT
CTDEP ETPH in Water	
CT ETPH	CT
EPA 600 4-81-045 in Oil	
Aroclor-1016	MA,NY,ME
Aroclor-1016 [2C]	MA,NY,ME
Aroclor-1221	MA,NY,ME
Aroclor-1221 [2C]	MA,NY,ME
Aroclor-1232	MA,NY,ME
Aroclor-1232 [2C]	MA,NY,ME
Aroclor-1242	MA,NY,ME
Aroclor-1242 [2C]	MA,NY,ME
Aroclor-1248	MA,NY,ME
Aroclor-1248 [2C]	MA,NY,ME
Aroclor-1254	MA,NY,ME
Aroclor-1254 [2C]	MA,NY,ME
Aroclor-1260	MA,NY,ME
Aroclor-1260 [2C]	MA,NY,ME
Aroclor-1262	MA,NY,ME
Aroclor-1262 [2C]	MA,NY,ME
Aroclor-1268	MA,NY,ME
Aroclor-1268 [2C]	MA,NY,ME
SW-846 8082A in Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016	CT,NH,NY,NC,ME,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA

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

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
SW-846 8082A in Water	
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

con-test ANALYTICAL LABORATORY
AL13

Phone: 413-525-2332 1851065
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-559-3860
Project Name:
Project Location: 27 Parsons Lane, Durham, CT
Project Number: CWC-18-00543
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: Michael.gaughan@eversource.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCB 8082 *	CT ETPH	PCB 8082, Soxhlet *	CT ETPH	PCB 8082 *							
								9		X		2							
								I		I		I							
								A		A		A							
1	Well Water	10/19/18	1340		X	DW	U	X	X										
2	MH1	10/19/18	1405		X	WW	U	X	X										
3	MH2	10/19/18	1410		X	S	U			X	X								
4	MH3	10/19/18	1415		X	WW	U	X	X										
5	MH4	10/19/18	1425		X	WW	U	X	X										
6	MH5	10/19/18	1430		X	WW	U	X	X										
7	Floor Drain 1	10/19/18	1345		X	O	H**					X							
8	Floor Drain 2	10/19/18	1355		X	O	H**					X							
						(MB)	H**												

Comments:
* Provide chromatographs for all PCB analyses
** Oil likely 200ppm PCB
ETPH cancelled for sample-04 per client 10/23/18 - ALB

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished By: (signature)	Date/Time:
	10/19/18 16:40
Received by: (signature)	Date/Time:
	10/22/18 1400
Relinquished by: (signature)	Date/Time:
	10/22/18 1630
Received by: (signature)	Date/Time:
	10/22/18 16:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☒ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

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www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

# of Containers
² Preservation Code
³ Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

¹ Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

² Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define) Oil

³ Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Eversource

Received By af Date 10/22/18 Time 16:30

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.2

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? T Who was notified? Mike R.

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T*

Is there Headspace where applicable? N/A MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	9	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz ~~Amb~~/Clear	3 of 4
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

*Only one 1L received for MH3
Both MH4 1L's and 1 MH1 1L received frozen

X:\HPCHEM\1\DATA\A102318.SEC\A1023007.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1023007.D
Data File Path	X:\HPCHEM\1\DATA\A102318.SEC\
Operator	RMW
Date Acquired	10/23/2018 12:40
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	314134	330467	5
c - 10	1.54	318488	330467	4
c - 12	2.27	319160	330467	3
c - 14	2.94	330076	330467	0
c - 16	3.53	334838	330467	-1
c - 18	4.12	335331	330467	-1
c - 20	4.74	338007	330467	-2
c - 22	5.24	339226	330467	-3
c - 24	5.68	336973	330467	-2
c - 26	6.07	335884	330467	-2
c - 28	6.43	338055	330467	-2
c - 30	6.76	342554	330467	-4
c - 32	7.07	331420	330467	0
c - 34	7.36	323401	330467	2
c - 36	7.64	319464	330467	3

Samples
18J1065-03@50X

*One compound allowed %D </=50%

X:\HPCHEM\1\DATA\A102318.SEC\A1023047.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1023047.D
Data File Path	X:\HPCHEM\1\DATA\A102318.SEC\
Operator	RMW
Date Acquired	10/23/2018 8:59
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	327663	347422	6
c - 10	1.54	333626	347422	4
c - 12	2.27	335814	347422	3
c - 14	2.94	346711	347422	0
c - 16	3.53	351562	347422	-1
c - 18	4.12	351948	347422	-1
c - 20	4.74	354666	347422	-2
c - 22	5.24	356410	347422	-3
c - 24	5.68	354586	347422	-2
c - 26	6.07	353845	347422	-2
c - 28	6.43	356354	347422	-3
c - 30	6.76	361353	347422	-4
c - 32	7.07	349481	347422	-1
c - 34	7.36	340829	347422	2
c - 36	7.64	336489	347422	3

*One compound allowed %D </=50%

Samples
18J0787-21
18J0836-04
18J0836-05
18J0733-02
18J0786-02

X:\HPCHEM\1\DATA\A102318.SEC\A1023081.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1023081.D
Data File Path	X:\HPCHEM\1\DATA\A102318.SEC\
Operator	RMW
Date Acquired	10/24/2018 2:02
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	330749	350986	6
c - 10	1.54	338142	350986	4
c - 12	2.27	341547	350986	3
c - 14	2.94	352234	350986	0
c - 16	3.53	356363	350986	-2
c - 18	4.12	356301	350986	-2
c - 20	4.73	358668	350986	-2
c - 22	5.24	360095	350986	-3
c - 24	5.68	358203	350986	-2
c - 26	6.07	357110	350986	-2
c - 28	6.43	359362	350986	-2
c - 30	6.76	364115	350986	-4
c - 32	7.07	351622	350986	0
c - 34	7.36	342486	350986	2
c - 36	7.64	337792	350986	4

*One compound allowed %D </=50%

Samples
18J0786-01
18J0733-04
18J0733-05
18J0786-10
18J0786-11

X:\HPCHEM\1\DATA\A102318.SEC\A1023115.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1023115.D
Data File Path	X:\HPCHEM\1\DATA\A102318.SEC\
Operator	RMW
Date Acquired	10/24/2018 7:05
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	332554	355206	6
c - 10	1.54	339957	355206	4
c - 12	2.27	343272	355206	3
c - 14	2.94	353583	355206	0
c - 16	3.53	360034	355206	-1
c - 18	4.12	361002	355206	-2
c - 20	4.74	363167	355206	-2
c - 22	5.25	364130	355206	-3
c - 24	5.68	362116	355206	-2
c - 26	6.07	361675	355206	-2
c - 28	6.43	364494	355206	-3
c - 30	6.76	370109	355206	-4
c - 32	7.07	358257	355206	-1
c - 34	7.36	349199	355206	2
c - 36	7.64	344540	355206	3

*One compound allowed %D </=50%

Samples
18J0865-03
18J0836-06
18J0865-01
18J0865-02@10X

X:\HPCHEM\1\DATA\A102418.SEC\A1024007.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1024007.D
Data File Path	X:\HPCHEM\1\DATA\A102418.SEC\
Operator	RMW
Date Acquired	10/24/2018 2:37
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	352358	372926	6
c - 10	1.54	357674	372926	4
c - 12	2.27	360402	372926	3
c - 14	2.94	370817	372926	1
c - 16	3.53	375720	372926	-1
c - 18	4.12	376157	372926	-1
c - 20	4.74	379804	372926	-2
c - 22	5.25	382056	372926	-2
c - 24	5.68	380431	372926	-2
c - 26	6.08	380099	372926	-2
c - 28	6.43	383055	372926	-3
c - 30	6.76	388719	372926	-4
c - 32	7.07	376573	372926	-1
c - 34	7.36	367270	372926	2
c - 36	7.64	362759	372926	3

*One compound allowed %D </=50%

Samples
18J1065-01
18J0733-20
18J0836-01
18J0836-02
18J0836-03
18J0786-15
18J0786-12
18J0786-14
18J0786-04
18J0786-08
18J1065-06
18J0733-06
18J0733-07
18J0733-08
18J0733-09

X:\HPCHEM\1\DATA\A102418.SEC\A1024059.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1024059.D
Data File Path	X:\HPCHEM\1\DATA\A102418.SEC\
Operator	RMW
Date Acquired	10/24/2018 10:24
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	305795	322853	5
c - 10	1.54	311604	322853	3
c - 12	2.27	313772	322853	3
c - 14	2.94	323505	322853	0
c - 16	3.53	327521	322853	-1
c - 18	4.12	327373	322853	-1
c - 20	4.74	330219	322853	-2
c - 22	5.25	331570	322853	-3
c - 24	5.68	329259	322853	-2
c - 26	6.08	328473	322853	-2
c - 28	6.43	330440	322853	-2
c - 30	6.76	334331	322853	-4
c - 32	7.07	322907	322853	0
c - 34	7.36	314872	322853	2
c - 36	7.64	311151	322853	4

*One compound allowed %D </=50%

Samples
18J0786-07
18J0786-09
18J0786-13
18J0733-03
18J0786-03@5X
18J0786-05@10X
18J0786-06

X:\HPCHEM\1\DATA\A102418.SEC\A1024135.D

CT ETPH DISCRIMINATION CHECK

Data File Name	A1024135.D
Data File Path	X:\HPCHEM\1\DATA\A102418.SEC\
Operator	RMW
Date Acquired	10/25/2018 9:23
Acq. Method File	ETPH18.M
Sample Name	ETPH 1500
Instrument Name	5890DFID

Name	Ret Time	Target Response	Avg response	*%D+/-20
c - 9	1.18	302064	314120	4
c - 10	1.54	306327	314120	2
c - 12	2.27	306685	314120	2
c - 14	2.94	315143	314120	0
c - 16	3.53	317960	314120	-1
c - 18	4.12	317131	314120	-1
c - 20	4.74	319245	314120	-2
c - 22	5.25	320297	314120	-2
c - 24	5.69	318416	314120	-1
c - 26	6.07	317989	314120	-1
c - 28	6.43	320596	314120	-2
c - 30	6.76	324934	314120	-3
c - 32	7.07	314429	314120	0
c - 34	7.36	307158	314120	2
c - 36	7.65	303431	314120	3

*One compound allowed %D </=50%

Samples
18J0927-14@10X
18J1065-02@10X
18J1065-05@5X

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October 29, 2018

Mike Gaughan
Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037

Project Location: 27 Parsons Lane, Durham, CT
Client Job Number:
Project Number: CWC-18-00543
Laboratory Work Order Number: 18J1226

Enclosed are results of analyses for samples received by the laboratory on October 24, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 10/29/2018

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1226

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

PROJECT LOCATION: 27 Parsons Lane, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
MH6	18J1226-01	Soil		SM 2540G	
				SW-846 8082A	
S1	18J1226-02	Soil		SM 2540G	
				SW-846 8082A	
S2	18J1226-03	Soil		SM 2540G	
				SW-846 8082A	
S3	18J1226-04	Soil		SM 2540G	
				SW-846 8082A	
S4	18J1226-05	Soil		SM 2540G	
				SW-846 8082A	
S5	18J1226-06	Soil		SM 2540G	
				SW-846 8082A	
S6	18J1226-07	Soil		SM 2540G	
				SW-846 8082A	
S7	18J1226-08	Soil		SM 2540G	
				SW-846 8082A	
S8	18J1226-09	Soil		SM 2540G	
				SW-846 8082A	
S9	18J1226-10	Soil		SM 2540G	
				SW-846 8082A	
CB1	18J1226-11	Waste Water		SW-846 8082A	

con-test® ANALYTICAL LABORATORY
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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

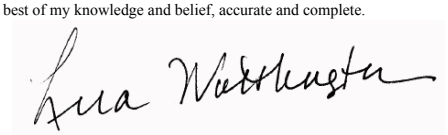
V-06

Continuing calibration did not meet method specifications and was biased on the high side for this compound.

Analyte & Samples(s) Qualified:

Aroclor-1016 [2C]
B215629-BS1, B215629-BSD1

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



Lisa A. Worthington
Project Manager

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

Project Location: 27 Parsons Lane, Durham, CT
Sample Description:
Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: MH6
Sampled: 10/22/2018 10:20

Sample ID: 18J1226-01

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	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1221 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1232 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1242 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1248 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1254 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1260 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1262 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG
Aroclor-1268 [1]	ND	0.14	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:43	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.5	30-150		10/26/18 11:43
Decachlorobiphenyl [2]	67.0	30-150		10/26/18 11:43
Tetrachloro-m-xylene [1]	73.5	30-150		10/26/18 11:43
Tetrachloro-m-xylene [2]	78.2	30-150		10/26/18 11:43

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: MH6 | Sampled: 10/22/2018 10:20

Sample ID: 18J1226-01

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	57.8		% Wt	1		SM 2540G	10/24/18	10/25/18 11:58	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S1 | Sampled: 10/22/2018 14:58

Sample ID: 18J1226-02

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	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 11:55	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.5	30-150		10/26/18 11:55
Decachlorobiphenyl [2]	89.3	30-150		10/26/18 11:55
Tetrachloro-m-xylene [1]	83.7	30-150		10/26/18 11:55
Tetrachloro-m-xylene [2]	87.0	30-150		10/26/18 11:55

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S1 | Sampled: 10/22/2018 14:58

Sample ID: 18J1226-02

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	82.1		% Wt	1		SM 2540G	10/24/18	10/25/18 11:58	KMG

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

Project Location: 27 Parsons Lane, Durham, CT
Sample Description:
Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S2
Sampled: 10/22/2018 15:00

Sample ID: 18J1226-03

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	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:08	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.0	30-150		10/26/18 12:08
Decachlorobiphenyl [2]	85.7	30-150		10/26/18 12:08
Tetrachloro-m-xylene [1]	81.2	30-150		10/26/18 12:08
Tetrachloro-m-xylene [2]	84.2	30-150		10/26/18 12:08

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S2 | Sampled: 10/22/2018 15:00

Sample ID: 18J1226-03

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	86.2		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S3 | Sampled: 10/22/2018 15:02

Sample ID: 18J1226-04

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	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.7	30-150		10/26/18 12:21
Decachlorobiphenyl [2]	84.0	30-150		10/26/18 12:21
Tetrachloro-m-xylene [1]	85.8	30-150		10/26/18 12:21
Tetrachloro-m-xylene [2]	90.4	30-150		10/26/18 12:21

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S3 | Sampled: 10/22/2018 15:02

Sample ID: 18J1226-04

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	74.5		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S4 | Sampled: 10/22/2018 15:04

Sample ID: 18J1226-05

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	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:34	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.9	30-150		10/26/18 12:34
Decachlorobiphenyl [2]	68.5	30-150		10/26/18 12:34
Tetrachloro-m-xylene [1]	66.6	30-150		10/26/18 12:34
Tetrachloro-m-xylene [2]	71.7	30-150		10/26/18 12:34

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S4 | Sampled: 10/22/2018 15:04

Sample ID: 18J1226-05

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	85.0		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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

Project Location: 27 Parsons Lane, Durham, CT
Sample Description:
Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S5
Sampled: 10/22/2018 15:06

Sample ID: 18J1226-06

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	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:47	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.5	30-150		10/26/18 12:47
Decachlorobiphenyl [2]	84.2	30-150		10/26/18 12:47
Tetrachloro-m-xylene [1]	85.3	30-150		10/26/18 12:47
Tetrachloro-m-xylene [2]	92.0	30-150		10/26/18 12:47

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S5 | Sampled: 10/22/2018 15:06

Sample ID: 18J1226-06

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	84.7		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S6 | Sampled: 10/22/2018 15:08

Sample ID: 18J1226-07

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	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 12:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.5	30-150		10/26/18 12:59
Decachlorobiphenyl [2]	106	30-150		10/26/18 12:59
Tetrachloro-m-xylene [1]	87.3	30-150		10/26/18 12:59
Tetrachloro-m-xylene [2]	92.1	30-150		10/26/18 12:59

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S6 | Sampled: 10/22/2018 15:08

Sample ID: 18J1226-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.4		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S7 | Sampled: 10/22/2018 15:10

Sample ID: 18J1226-08

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	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:12	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.5	30-150		10/26/18 13:12
Decachlorobiphenyl [2]	85.5	30-150		10/26/18 13:12
Tetrachloro-m-xylene [1]	83.2	30-150		10/26/18 13:12
Tetrachloro-m-xylene [2]	86.6	30-150		10/26/18 13:12

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S7 | Sampled: 10/22/2018 15:10

Sample ID: 18J1226-08

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	85.5		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S8 | Sampled: 10/22/2018 15:12

Sample ID: 18J1226-09

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	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:25	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.1	30-150		10/26/18 13:25
Decachlorobiphenyl [2]	86.0	30-150		10/26/18 13:25
Tetrachloro-m-xylene [1]	86.1	30-150		10/26/18 13:25
Tetrachloro-m-xylene [2]	90.5	30-150		10/26/18 13:25

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S8 | Sampled: 10/22/2018 15:12

Sample ID: 18J1226-09

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.8		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S9 | Sampled: 10/22/2018 15:15

Sample ID: 18J1226-10

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	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 13:38	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		10/26/18 13:38
Decachlorobiphenyl [2]	89.3	30-150		10/26/18 13:38
Tetrachloro-m-xylene [1]	87.5	30-150		10/26/18 13:38
Tetrachloro-m-xylene [2]	89.3	30-150		10/26/18 13:38

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: S9 | Sampled: 10/22/2018 15:15

Sample ID: 18J1226-10

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	83.3		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1226

Date Received: 10/24/2018

Field Sample #: CB1 | Sampled: 10/22/2018 15:35

Sample ID: 18J1226-11

Sample Matrix: Waste 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	10/25/18	10/29/18 12:25	WAL
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	10/25/18	10/29/18 12:25	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	35.4	30-150		10/29/18 12:25
Decachlorobiphenyl [2]	33.5	30-150		10/29/18 12:25
Tetrachloro-m-xylene [1]	57.8	30-150		10/29/18 12:25
Tetrachloro-m-xylene [2]	60.0	30-150		10/29/18 12:25

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

Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18J1226-01 [MH6]	B215628	10/24/18
18J1226-02 [S1]	B215628	10/24/18
18J1226-03 [S2]	B215628	10/24/18
18J1226-04 [S3]	B215628	10/24/18
18J1226-05 [S4]	B215628	10/24/18
18J1226-06 [S5]	B215628	10/24/18
18J1226-07 [S6]	B215628	10/24/18
18J1226-08 [S7]	B215628	10/24/18
18J1226-09 [S8]	B215628	10/24/18
18J1226-10 [S9]	B215628	10/24/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1226-01 [MH6]	B215626	10.0	10.0	10/24/18
18J1226-02 [S1]	B215626	10.0	10.0	10/24/18
18J1226-03 [S2]	B215626	10.0	10.0	10/24/18
18J1226-04 [S3]	B215626	10.0	10.0	10/24/18
18J1226-05 [S4]	B215626	10.0	10.0	10/24/18
18J1226-06 [S5]	B215626	10.0	10.0	10/24/18
18J1226-07 [S6]	B215626	10.0	10.0	10/24/18
18J1226-08 [S7]	B215626	10.0	10.0	10/24/18
18J1226-09 [S8]	B215626	10.0	10.0	10/24/18
18J1226-10 [S9]	B215626	10.0	10.0	10/24/18

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18J1226-11 [CB1]	B215629	1000	10.0	10/25/18

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 B215629 - SW-846 3510C										
Blank (B215629-BLK1)				Prepared: 10/25/18 Analyzed: 10/28/18						
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	*1.57*		µg/L	2.00		78.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.61*		µg/L	2.00		80.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.38*		µg/L	2.00		69.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.52*		µg/L	2.00		76.0	30-150			
LCS (B215629-BS1)				Prepared: 10/25/18 Analyzed: 10/28/18						
Aroclor-1016	0.41	0.20	µg/L	0.500		81.4	40-140			
Aroclor-1016 [2C]	0.50	0.20	µg/L	0.500		99.7	40-140			V-06
Aroclor-1260	0.41	0.20	µg/L	0.500		81.5	40-140			
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		86.7	40-140			
Surrogate: Decachlorobiphenyl	*1.70*		µg/L	2.00		84.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.74*		µg/L	2.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene	*1.42*		µg/L	2.00		70.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.56*		µg/L	2.00		78.1	30-150			
LCS Dup (B215629-BSD1)				Prepared: 10/25/18 Analyzed: 10/28/18						
Aroclor-1016	0.43	0.20	µg/L	0.500		85.8	40-140	5.25	20	
Aroclor-1016 [2C]	0.53	0.20	µg/L	0.500		105	40-140	5.51	20	V-06
Aroclor-1260	0.43	0.20	µg/L	0.500		86.0	40-140	5.39	20	
Aroclor-1260 [2C]	0.46	0.20	µg/L	0.500		92.2	40-140	6.10	20	
Surrogate: Decachlorobiphenyl	*1.77*		µg/L	2.00		88.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.82*		µg/L	2.00		91.1	30-150			
Surrogate: Tetrachloro-m-xylene	*1.52*		µg/L	2.00		76.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.67*		µg/L	2.00		83.4	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215626 - SW-846 3540C										
Blank (B215626-BLK1)				Prepared: 10/24/18 Analyzed: 10/26/18						
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	*0.197*		mg/Kg wet	0.200		98.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.188*		mg/Kg wet	0.200		94.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.200		88.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.7	30-150			
LCS (B215626-BS1)				Prepared: 10/24/18 Analyzed: 10/26/18						
Aroclor-1016	0.21	0.020	mg/Kg wet	0.200		103	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		102	40-140			
Aroclor-1260	0.20	0.020	mg/Kg wet	0.200		102	40-140			
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		99.8	40-140			
Surrogate: Decachlorobiphenyl	*0.201*		mg/Kg wet	0.200		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.192*		mg/Kg wet	0.200		95.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		89.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.4	30-150			
LCS Dup (B215626-BSD1)				Prepared: 10/24/18 Analyzed: 10/26/18						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.200		80.7	40-140	24.7	30	
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		79.9	40-140	24.0	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		91.1	40-140	11.6	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		89.5	40-140	10.9	30	
Surrogate: Decachlorobiphenyl	*0.184*		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.176*		mg/Kg wet	0.200		87.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.104*		mg/Kg wet	0.200		51.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.105*		mg/Kg wet	0.200		52.7	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 B215628 - % Solids										
Duplicate (B215628-DUP2)	**Source: 18J1226-01**		Prepared: 10/24/18 Analyzed: 10/25/18							
% Solids	55.5		% Wt		57.8			3.97	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215626-BS1 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.20	4.9
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	4.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215626-BSD1 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.16	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215629-BS1 Date(s) Analyzed 10/28/2018 10/28/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.50	19.8
Aroclor-1260	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.43	4.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215629-BSD1 Date(s) Analyzed 10/28/2018 10/28/2018

Instrument ID (1): ECD5 Instrument ID (2): ECD5

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.53	20.8
Aroclor-1260	1	0.000	0.000	0.000	0.43	
	2	0.000	0.000	0.000	0.46	6.7

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
V-06	Continuing calibration did not meet method specifications and was biased on the high side for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

ACB

CHAIN OF CUSTODY RECORD

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18T1226

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39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2 (10)

Company Name:	Eversource
Address:	107 Selden St, Berlin, CT
Phone:	860-559-3860
Project Name:	
Project Location:	27 Parsons Lane, Durham, CT
Project Number:	Eve-18-00543
Project Manager:	Mike Gaughan
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCB 8082 w. Soxhlet Extraction	10	11	12									# of Containers
1	MH6	10/22/18	1020		X	S	4	X												ANALYSIS REQUESTED
2	S1	10/22/18	1458		X	S	4	X												
3	S2	10/22/18	1500		X	S	4	X												
4	S3	10/22/18	1502		X	S	4	X												
5	S4	10/22/18	1504		X	S	4	X												
6	S5	10/22/18	1506		X	S	4	X												
7	S6	10/22/18	1508		X	S	4	X												
8	S7	10/22/18	1510		X	S	4	X												
9	S8	10/22/18	1512		X	S	4	X												
10	S9	10/22/18	1515		X	S	4	X												

Comments: Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 10/23/18 0821
Received by: (signature) Tom Mast	Date/Time: 10/24/18 1530
Relinquished by: (signature) Tom Mast	Date/Time: 10/24/18 1750
Received by: (signature) 2.9 10-24-18	Date/Time: 17:50
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

The Connecticut Light and Power Company
d/b/a Eversource Energy
Docket No. 26-05-10
Date Issued September 29, 2026
RSR-032 Attachment 161
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AZB

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CHAIN OF CUSTODY RECORD

39 Spruce Street
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Page 2 of 2

Company Name: Eversource Energy
Address: 705 West Johnson Avenue, Cheshire, CT
Phone: 860-559-3860
Project Name:
Project Location: 27 Parsons Lane, Durham, CT
Project Number: CWC-18-005543
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB Soxh2	I	A	# of Containers	[2] Preservation Code	[3] Container Code
11	CB1	10/22/18	1535		X	WW	U	X					

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)		Date/Time: 10/23/18 0821
Received by: (signature)	Tom Mac	Date/Time: 10/24/18 1530
Relinquished by: (signature)	Tom Mac	Date/Time: 10/24/18 1750
Received by: (signature)	2.9 10-24-18	Date/Time: 18:50
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
CT
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Eversource

Received By: ESO Date: 10-24-18 Time: 17:50

How were the samples received? In Cooler: T No Cooler: _____ On Ice: T No Ice: _____
Direct from Sampling: _____ Ambient: _____ Melted Ice: _____

Were samples within Temperature? 2-6°C: T By Gun #: 577 Actual Temp: 2.9
By Blank #: _____ Actual Temp: _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client: T Analysis: T Sampler Name: T
Project: T ID's: T Collection Dates/Times: T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? T Who was notified? Mike
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? NA Acid: _____ Base: _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	1	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	10
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

- 1L Amber received frozen, jar did not crack.

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Eversource Emergency Response

Project Location: 27 Parsons Lane, Durham, CT

Project Number: 18J1226

Laboratory Sample ID(s):
18J1226-01 thru 18J1226-11

Sample Date(s):
10/22/2018

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.

Lisa A. Worthington

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: Lisa Worthington **Position:** Project Manager

Printed Name: Lisa A. Worthington **Date:** 10/29/18

Name of Laboratory: Con-Test Analytical Laboratory

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

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

October 29, 2018

Mike Gaughan
Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037

Project Location: 27 Parsons Lane, Durham, CT
Client Job Number:
Project Number: CWC-18-00543
Laboratory Work Order Number: 18J1227

Enclosed are results of analyses for samples received by the laboratory on October 24, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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

Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 10/29/2018

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1227

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

PROJECT LOCATION: 27 Parsons Lane, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
S10	18J1227-01	Soil		SM 2540G	
				SW-846 8082A	
S10 Duplicate	18J1227-02	Soil		SM 2540G	
				SW-846 8082A	
S11	18J1227-03	Soil		SM 2540G	
				SW-846 8082A	
S12	18J1227-04	Soil		SM 2540G	
				SW-846 8082A	
S13	18J1227-05	Soil		SM 2540G	
				SW-846 8082A	
S14	18J1227-06	Soil		SM 2540G	
				SW-846 8082A	
S15	18J1227-07	Soil		SM 2540G	
				SW-846 8082A	
S16	18J1227-08	Soil		SM 2540G	
				SW-846 8082A	
S17	18J1227-09	Soil		SM 2540G	
				SW-846 8082A	
S18	18J1227-10	Soil		SM 2540G	
				SW-846 8082A	
S19	18J1227-11	Soil		SM 2540G	
				SW-846 8082A	
S20	18J1227-12	Soil		SM 2540G	
				SW-846 8082A	
S21	18J1227-13	Soil		SM 2540G	
				SW-846 8082A	
S22	18J1227-14	Soil		SM 2540G	
				SW-846 8082A	
S23	18J1227-15	Soil		SM 2540G	
				SW-846 8082A	
S24	18J1227-16	Soil		SM 2540G	
				SW-846 8082A	
S25	18J1227-17	Soil		SM 2540G	
				SW-846 8082A	
S26	18J1227-18	Soil		SM 2540G	
				SW-846 8082A	
S27	18J1227-19	Soil		SM 2540G	
				SW-846 8082A	
S28	18J1227-20	Soil		SM 2540G	
				SW-846 8082A	

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PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1227

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

PROJECT LOCATION: 27 Parsons Lane, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
S29	18J1227-21	Soil		SM 2540G	
				SW-846 8082A	
S30	18J1227-22	Soil		SM 2540G	
				SW-846 8082A	
S30 Duplicate	18J1227-23	Soil		SM 2540G	
				SW-846 8082A	
S31	18J1227-24	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:

R-05

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

Analyte & Samples(s) Qualified:

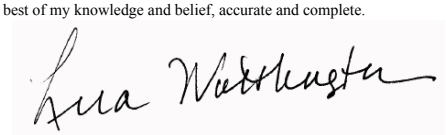
Aroclor-1016
18J1227-01[S10], 18J1227-02[S10 Duplicate], 18J1227-03[S11], 18J1227-04[S12], 18J1227-05[S13], 18J1227-06[S14], 18J1227-07[S15], 18J1227-08[S16], 18J1227-09[S17], 18J1227-10[S18], 18J1227-11[S19], 18J1227-12[S20], 18J1227-13[S21], 18J1227-14[S22], 18J1227-15[S23], 18J1227-16[S24], 18J1227-17[S25], 18J1227-18[S26], 18J1227-19[S27], 18J1227-20[S28], B215620-BLK1, B215620-BS1, B215620-BSD1, B215620-MS1, B215620-MSD1

Aroclor-1016 [2C]
18J1227-01[S10], 18J1227-02[S10 Duplicate], 18J1227-03[S11], 18J1227-04[S12], 18J1227-05[S13], 18J1227-06[S14], 18J1227-07[S15], 18J1227-08[S16], 18J1227-09[S17], 18J1227-10[S18], 18J1227-11[S19], 18J1227-12[S20], 18J1227-13[S21], 18J1227-14[S22], 18J1227-15[S23], 18J1227-16[S24], 18J1227-17[S25], 18J1227-18[S26], 18J1227-19[S27], 18J1227-20[S28], B215620-BLK1, B215620-BS1, B215620-BSD1, B215620-MS1, B215620-MSD1

Aroclor-1260
18J1227-01[S10], 18J1227-02[S10 Duplicate], 18J1227-03[S11], 18J1227-04[S12], 18J1227-05[S13], 18J1227-06[S14], 18J1227-07[S15], 18J1227-08[S16], 18J1227-09[S17], 18J1227-10[S18], 18J1227-11[S19], 18J1227-12[S20], 18J1227-13[S21], 18J1227-14[S22], 18J1227-15[S23], 18J1227-16[S24], 18J1227-17[S25], 18J1227-18[S26], 18J1227-19[S27], 18J1227-20[S28], B215620-BLK1, B215620-BS1, B215620-BSD1, B215620-MS1, B215620-MSD1

Aroclor-1260 [2C]
18J1227-01[S10], 18J1227-02[S10 Duplicate], 18J1227-03[S11], 18J1227-04[S12], 18J1227-05[S13], 18J1227-06[S14], 18J1227-07[S15], 18J1227-08[S16], 18J1227-09[S17], 18J1227-10[S18], 18J1227-11[S19], 18J1227-12[S20], 18J1227-13[S21], 18J1227-14[S22], 18J1227-15[S23], 18J1227-16[S24], 18J1227-17[S25], 18J1227-18[S26], 18J1227-19[S27], 18J1227-20[S28], B215620-BLK1, B215620-BS1, B215620-BSD1, B215620-MS1, B215620-MSD1

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



Lisa A. Worthington
Project Manager

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S10 | Sampled: 10/24/2018 11:10

Sample ID: 18J1227-01

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	0.094	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1254 [2]	0.13	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 16:56	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.3	30-150		10/26/18 16:56
Decachlorobiphenyl [2]	93.2	30-150		10/26/18 16:56
Tetrachloro-m-xylene [1]	83.8	30-150		10/26/18 16:56
Tetrachloro-m-xylene [2]	87.9	30-150		10/26/18 16:56

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S10 | Sampled: 10/24/2018 11:10

Sample ID: 18J1227-01

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	84.8		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S10 Duplicate | Sampled: 10/24/2018 11:10

Sample ID: 18J1227-02

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	4	R-05	SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1221 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1232 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1242 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1248 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1254 [2]	0.11	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1260 [1]	ND	0.10	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1262 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL
Aroclor-1268 [1]	ND	0.10	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:14	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.3	30-150		10/26/18 17:14
Decachlorobiphenyl [2]	92.4	30-150		10/26/18 17:14
Tetrachloro-m-xylene [1]	87.6	30-150		10/26/18 17:14
Tetrachloro-m-xylene [2]	92.4	30-150		10/26/18 17:14

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S10 Duplicate | Sampled: 10/24/2018 11:10

Sample ID: 18J1227-02

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	79.3		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT
Sample Description:
Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S11
Sampled: 10/24/2018 11:12

Sample ID: 18J1227-03

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	0.094	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:32	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.8	30-150		10/26/18 17:32
Decachlorobiphenyl [2]	94.1	30-150		10/26/18 17:32
Tetrachloro-m-xylene [1]	88.9	30-150		10/26/18 17:32
Tetrachloro-m-xylene [2]	92.7	30-150		10/26/18 17:32



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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S11 | Sampled: 10/24/2018 11:12

Sample ID: 18J1227-03

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	84.2		% Wt	1		SM 2540G	10/24/18	10/25/18 11:59	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S12 | Sampled: 10/24/2018 11:13

Sample ID: 18J1227-04

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	0.095	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 17:50	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.4	30-150		10/26/18 17:50
Decachlorobiphenyl [2]	103	30-150		10/26/18 17:50
Tetrachloro-m-xylene [1]	81.7	30-150		10/26/18 17:50
Tetrachloro-m-xylene [2]	84.2	30-150		10/26/18 17:50

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S12 | Sampled: 10/24/2018 11:13

Sample ID: 18J1227-04

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	83.4		% Wt	1		SM 2540G	10/24/18	10/25/18 12:00	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S13 | Sampled: 10/24/2018 11:15

Sample ID: 18J1227-05

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	0.093	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:08	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.9	30-150		10/26/18 18:08
Decachlorobiphenyl [2]	91.5	30-150		10/26/18 18:08
Tetrachloro-m-xylene [1]	93.0	30-150		10/26/18 18:08
Tetrachloro-m-xylene [2]	100	30-150		10/26/18 18:08

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S13 | Sampled: 10/24/2018 11:15

Sample ID: 18J1227-05

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	85.3		% Wt	1		SM 2540G	10/24/18	10/25/18 12:00	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S14 | Sampled: 10/24/2018 11:14

Sample ID: 18J1227-06

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	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1254 [2]	0.77	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1260 [2]	0.096	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:26	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.4	30-150		10/26/18 18:26
Decachlorobiphenyl [2]	89.5	30-150		10/26/18 18:26
Tetrachloro-m-xylene [1]	78.5	30-150		10/26/18 18:26
Tetrachloro-m-xylene [2]	81.6	30-150		10/26/18 18:26

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S14 | Sampled: 10/24/2018 11:14

Sample ID: 18J1227-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	10/24/18	10/25/18 12:00	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S15 | Sampled: 10/24/2018 11:16

Sample ID: 18J1227-07

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	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 18:44	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.8	30-150		10/26/18 18:44
Decachlorobiphenyl [2]	91.8	30-150		10/26/18 18:44
Tetrachloro-m-xylene [1]	88.6	30-150		10/26/18 18:44
Tetrachloro-m-xylene [2]	94.4	30-150		10/26/18 18:44

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S15 | Sampled: 10/24/2018 11:16

Sample ID: 18J1227-07

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	88.0		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S16 | Sampled: 10/24/2018 11:17

Sample ID: 18J1227-08

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	0.089	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:02	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.2	30-150		10/26/18 19:02
Decachlorobiphenyl [2]	94.7	30-150		10/26/18 19:02
Tetrachloro-m-xylene [1]	87.7	30-150		10/26/18 19:02
Tetrachloro-m-xylene [2]	93.9	30-150		10/26/18 19:02

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S16 | Sampled: 10/24/2018 11:17

Sample ID: 18J1227-08

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	87.8		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S17 | Sampled: 10/24/2018 11:18

Sample ID: 18J1227-09

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	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 19:20	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.8	30-150		10/26/18 19:20
Decachlorobiphenyl [2]	93.4	30-150		10/26/18 19:20
Tetrachloro-m-xylene [1]	90.7	30-150		10/26/18 19:20
Tetrachloro-m-xylene [2]	95.4	30-150		10/26/18 19:20



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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S17 | Sampled: 10/24/2018 11:18

Sample ID: 18J1227-09

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	86.1		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S18 | Sampled: 10/24/2018 11:19

Sample ID: 18J1227-10

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	0.095	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:26	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.2	30-150		10/26/18 20:26
Decachlorobiphenyl [2]	90.3	30-150		10/26/18 20:26
Tetrachloro-m-xylene [1]	86.8	30-150		10/26/18 20:26
Tetrachloro-m-xylene [2]	93.5	30-150		10/26/18 20:26

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S18 | Sampled: 10/24/2018 11:19

Sample ID: 18J1227-10

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	83.9		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S19 | Sampled: 10/24/2018 11:20

Sample ID: 18J1227-11

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	0.093	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1221 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1232 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1242 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1248 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1254 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1260 [1]	ND	0.093	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1262 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL
Aroclor-1268 [1]	ND	0.093	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 20:44	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.5	30-150		10/26/18 20:44
Decachlorobiphenyl [2]	88.6	30-150		10/26/18 20:44
Tetrachloro-m-xylene [1]	88.3	30-150		10/26/18 20:44
Tetrachloro-m-xylene [2]	96.3	30-150		10/26/18 20:44

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S19 | Sampled: 10/24/2018 11:20

Sample ID: 18J1227-11

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	83.6		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S20 | Sampled: 10/24/2018 11:21

Sample ID: 18J1227-12

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	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1254 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:02	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.4	30-150		10/26/18 21:02
Decachlorobiphenyl [2]	88.7	30-150		10/26/18 21:02
Tetrachloro-m-xylene [1]	88.7	30-150		10/26/18 21:02
Tetrachloro-m-xylene [2]	96.0	30-150		10/26/18 21:02

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S20 | Sampled: 10/24/2018 11:21

Sample ID: 18J1227-12

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	73.4		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S21 | Sampled: 10/24/2018 11:22

Sample ID: 18J1227-13

Sample Matrix: Soil

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.12	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1221 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1232 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1242 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1248 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1254 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1260 [1]	ND	0.12	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1262 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL
Aroclor-1268 [1]	ND	0.12	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:20	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.2	30-150		10/26/18 21:20
Decachlorobiphenyl [2]	85.7	30-150		10/26/18 21:20
Tetrachloro-m-xylene [1]	84.3	30-150		10/26/18 21:20
Tetrachloro-m-xylene [2]	88.3	30-150		10/26/18 21:20

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S21 | Sampled: 10/24/2018 11:22

Sample ID: 18J1227-13

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	68.2		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S22 | Sampled: 10/24/2018 11:23

Sample ID: 18J1227-14

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	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:38	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.1	30-150		10/26/18 21:38
Decachlorobiphenyl [2]	92.1	30-150		10/26/18 21:38
Tetrachloro-m-xylene [1]	81.7	30-150		10/26/18 21:38
Tetrachloro-m-xylene [2]	82.2	30-150		10/26/18 21:38

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S22 | Sampled: 10/24/2018 11:23

Sample ID: 18J1227-14

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	86.1		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S23 | Sampled: 10/24/2018 11:24

Sample ID: 18J1227-15

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	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 21:56	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	92.0	30-150				10/26/18 21:56	
Decachlorobiphenyl [2]	92.3	30-150				10/26/18 21:56	
Tetrachloro-m-xylene [1]	87.2	30-150				10/26/18 21:56	
Tetrachloro-m-xylene [2]	92.5	30-150				10/26/18 21:56	

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S23 | Sampled: 10/24/2018 11:24

Sample ID: 18J1227-15

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	87.4		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S24 | Sampled: 10/24/2018 11:25

Sample ID: 18J1227-16

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	0.094	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1221 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1232 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1242 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1248 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1254 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1260 [1]	ND	0.094	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1262 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL
Aroclor-1268 [1]	ND	0.094	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:14	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		10/26/18 22:14
Decachlorobiphenyl [2]	89.3	30-150		10/26/18 22:14
Tetrachloro-m-xylene [1]	85.7	30-150		10/26/18 22:14
Tetrachloro-m-xylene [2]	90.7	30-150		10/26/18 22:14

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S24 | Sampled: 10/24/2018 11:25

Sample ID: 18J1227-16

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	85.4		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S25 | Sampled: 10/24/2018 11:26

Sample ID: 18J1227-17

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	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/26/18 22:32	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		10/26/18 22:32
Decachlorobiphenyl [2]	89.0	30-150		10/26/18 22:32
Tetrachloro-m-xylene [1]	85.6	30-150		10/26/18 22:32
Tetrachloro-m-xylene [2]	90.2	30-150		10/26/18 22:32

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S25 | Sampled: 10/24/2018 11:26

Sample ID: 18J1227-17

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	85.4		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S26 | Sampled: 10/24/2018 11:32

Sample ID: 18J1227-18

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	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:41	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.0	30-150		10/25/18 20:41
Decachlorobiphenyl [2]	92.7	30-150		10/25/18 20:41
Tetrachloro-m-xylene [1]	84.8	30-150		10/25/18 20:41
Tetrachloro-m-xylene [2]	89.1	30-150		10/25/18 20:41

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S26 | Sampled: 10/24/2018 11:32

Sample ID: 18J1227-18

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.4		% Wt	1		SM 2540G	10/24/18	10/25/18 12:01	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S27 | Sampled: 10/24/2018 11:33

Sample ID: 18J1227-19

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	0.089	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 20:58	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.1	30-150		10/25/18 20:58
Decachlorobiphenyl [2]	100	30-150		10/25/18 20:58
Tetrachloro-m-xylene [1]	93.0	30-150		10/25/18 20:58
Tetrachloro-m-xylene [2]	97.7	30-150		10/25/18 20:58

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S27 | Sampled: 10/24/2018 11:33

Sample ID: 18J1227-19

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	88.0		% Wt	1		SM 2540G	10/24/18	10/25/18 12:02	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S28 | Sampled: 10/24/2018 11:34

Sample ID: 18J1227-20

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	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4	R-05	SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:16	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.5	30-150		10/25/18 21:16
Decachlorobiphenyl [2]	93.5	30-150		10/25/18 21:16
Tetrachloro-m-xylene [1]	85.8	30-150		10/25/18 21:16
Tetrachloro-m-xylene [2]	90.7	30-150		10/25/18 21:16



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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S28 | Sampled: 10/24/2018 11:34

Sample ID: 18J1227-20

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	88.2		% Wt	1		SM 2540G	10/24/18	10/25/18 12:02	KMG

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

Project Location: 27 Parsons Lane, Durham, CT
Sample Description:
Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S29
Sampled: 10/24/2018 11:35

Sample ID: 18J1227-21

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	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1221 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1232 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1242 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1248 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1254 [2]	2.5	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1260 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1262 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL
Aroclor-1268 [1]	ND	0.45	mg/Kg dry	20		SW-846 8082A	10/24/18	10/26/18 9:27	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	68.8	30-150		10/26/18 9:27
Decachlorobiphenyl [2]	82.2	30-150		10/26/18 9:27
Tetrachloro-m-xylene [1]	78.1	30-150		10/26/18 9:27
Tetrachloro-m-xylene [2]	77.5	30-150		10/26/18 9:27

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S29 | Sampled: 10/24/2018 11:35

Sample ID: 18J1227-21

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	88.1		% Wt	1		SM 2540G	10/24/18	10/25/18 12:02	KMG

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S30 | Sampled: 10/24/2018 11:36

Sample ID: 18J1227-22

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	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1221 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1232 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1242 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1248 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1254 [2]	0.14	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1260 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1262 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL
Aroclor-1268 [1]	ND	0.096	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 21:51	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	75.1	30-150				10/25/18 21:51	
Decachlorobiphenyl [2]	88.3	30-150				10/25/18 21:51	
Tetrachloro-m-xylene [1]	77.1	30-150				10/25/18 21:51	
Tetrachloro-m-xylene [2]	81.0	30-150				10/25/18 21:51	

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S30 | Sampled: 10/24/2018 11:36

Sample ID: 18J1227-22

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	83.0		% Wt	1		SM 2540G	10/24/18	10/25/18 12:02	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S30 Duplicate | Sampled: 10/24/2018 11:36

Sample ID: 18J1227-23

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	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:08	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	86.5	30-150				10/25/18 22:08	
Decachlorobiphenyl [2]	102	30-150				10/25/18 22:08	
Tetrachloro-m-xylene [1]	88.2	30-150				10/25/18 22:08	
Tetrachloro-m-xylene [2]	92.5	30-150				10/25/18 22:08	

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S30 Duplicate | Sampled: 10/24/2018 11:36

Sample ID: 18J1227-23

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	84.5		% Wt	1		SM 2540G	10/24/18	10/25/18 12:02	KMG

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S31 | Sampled: 10/24/2018 11:37

Sample ID: 18J1227-24

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	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1254 [2]	0.16	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	10/24/18	10/25/18 22:26	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.7	30-150		10/25/18 22:26
Decachlorobiphenyl [2]	105	30-150		10/25/18 22:26
Tetrachloro-m-xylene [1]	89.0	30-150		10/25/18 22:26
Tetrachloro-m-xylene [2]	93.9	30-150		10/25/18 22:26

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18J1227

Date Received: 10/24/2018

Field Sample #: S31 | Sampled: 10/24/2018 11:37

Sample ID: 18J1227-24

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	86.2		% Wt	1		SM 2540G	10/24/18	10/25/18 12:02	KMG

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18J1227-01 [S10]	B215628	10/24/18
18J1227-02 [S10 Duplicate]	B215628	10/24/18
18J1227-03 [S11]	B215628	10/24/18
18J1227-04 [S12]	B215628	10/24/18
18J1227-05 [S13]	B215628	10/24/18
18J1227-06 [S14]	B215628	10/24/18
18J1227-07 [S15]	B215628	10/24/18
18J1227-08 [S16]	B215628	10/24/18
18J1227-09 [S17]	B215628	10/24/18
18J1227-10 [S18]	B215628	10/24/18
18J1227-11 [S19]	B215628	10/24/18
18J1227-12 [S20]	B215628	10/24/18
18J1227-13 [S21]	B215628	10/24/18
18J1227-14 [S22]	B215628	10/24/18
18J1227-15 [S23]	B215628	10/24/18
18J1227-16 [S24]	B215628	10/24/18
18J1227-17 [S25]	B215628	10/24/18
18J1227-18 [S26]	B215628	10/24/18
18J1227-19 [S27]	B215628	10/24/18
18J1227-20 [S28]	B215628	10/24/18
18J1227-21 [S29]	B215628	10/24/18
18J1227-22 [S30]	B215628	10/24/18
18J1227-23 [S30 Duplicate]	B215628	10/24/18
18J1227-24 [S31]	B215628	10/24/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1227-21 [S29]	B215613	10.1	10.0	10/24/18
18J1227-22 [S30]	B215613	10.0	10.0	10/24/18
18J1227-23 [S30 Duplicate]	B215613	10.3	10.0	10/24/18
18J1227-24 [S31]	B215613	10.2	10.0	10/24/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1227-01 [S10]	B215620	10.1	10.0	10/24/18
18J1227-02 [S10 Duplicate]	B215620	10.0	10.0	10/24/18
18J1227-03 [S11]	B215620	10.2	10.0	10/24/18
18J1227-04 [S12]	B215620	10.0	10.0	10/24/18
18J1227-05 [S13]	B215620	10.1	10.0	10/24/18
18J1227-06 [S14]	B215620	10.2	10.0	10/24/18
18J1227-07 [S15]	B215620	10.1	10.0	10/24/18
18J1227-08 [S16]	B215620	10.3	10.0	10/24/18
18J1227-09 [S17]	B215620	10.1	10.0	10/24/18
18J1227-10 [S18]	B215620	10.1	10.0	10/24/18
18J1227-11 [S19]	B215620	10.3	10.0	10/24/18
18J1227-12 [S20]	B215620	10.1	10.0	10/24/18
18J1227-13 [S21]	B215620	10.1	10.0	10/24/18
18J1227-14 [S22]	B215620	10.1	10.0	10/24/18
18J1227-15 [S23]	B215620	10.2	10.0	10/24/18
18J1227-16 [S24]	B215620	10.0	10.0	10/24/18
18J1227-17 [S25]	B215620	10.2	10.0	10/24/18

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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
18J1227-18 [S26]	B215620	10.2	10.0	10/24/18
18J1227-19 [S27]	B215620	10.2	10.0	10/24/18
18J1227-20 [S28]	B215620	10.1	10.0	10/24/18

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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 B215613 - SW-846 3540C										
Blank (B215613-BLK1)				Prepared: 10/24/18 Analyzed: 10/25/18						
Aroclor-1016	ND	0.020	mg/Kg wet							
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1221	ND	0.020	mg/Kg wet							
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1232	ND	0.020	mg/Kg wet							
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1242	ND	0.020	mg/Kg wet							
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1248	ND	0.020	mg/Kg wet							
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1254	ND	0.020	mg/Kg wet							
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1260	ND	0.020	mg/Kg wet							
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1262	ND	0.020	mg/Kg wet							
Aroclor-1262 [2C]	ND	0.020	mg/Kg wet							
Aroclor-1268	ND	0.020	mg/Kg wet							
Aroclor-1268 [2C]	ND	0.020	mg/Kg wet							
Surrogate: Decachlorobiphenyl	*0.167*		mg/Kg wet	0.200		83.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.197*		mg/Kg wet	0.200		98.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.184*		mg/Kg wet	0.200		91.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.201*		mg/Kg wet	0.200		100	30-150			
LCS (B215613-BS1)				Prepared: 10/24/18 Analyzed: 10/25/18						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		92.4	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		97.6	40-140			
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		84.9	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		97.1	40-140			
Surrogate: Decachlorobiphenyl	*0.157*		mg/Kg wet	0.200		78.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.185*		mg/Kg wet	0.200		92.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg wet	0.200		86.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.200		93.8	30-150			
LCS Dup (B215613-BSD1)				Prepared: 10/24/18 Analyzed: 10/25/18						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.2	40-140	1.29	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		96.6	40-140	1.07	30	
Aroclor-1260	0.17	0.020	mg/Kg wet	0.200		83.3	40-140	1.92	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		94.3	40-140	2.89	30	
Surrogate: Decachlorobiphenyl	*0.154*		mg/Kg wet	0.200		76.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.181*		mg/Kg wet	0.200		90.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.170*		mg/Kg wet	0.200		85.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.184*		mg/Kg wet	0.200		92.2	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 B215620 - SW-846 3540C											
Blank (B215620-BLK1)				Prepared: 10/24/18 Analyzed: 10/25/18							
Aroclor-1016	ND	0.020	mg/Kg wet								R-05
Aroclor-1016 [2C]	ND	0.020	mg/Kg wet								R-05
Aroclor-1221	ND	0.020	mg/Kg wet								
Aroclor-1221 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1232	ND	0.020	mg/Kg wet								
Aroclor-1232 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1242	ND	0.020	mg/Kg wet								
Aroclor-1242 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1248	ND	0.020	mg/Kg wet								
Aroclor-1248 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1254	ND	0.020	mg/Kg wet								
Aroclor-1254 [2C]	ND	0.020	mg/Kg wet								
Aroclor-1260	ND	0.020	mg/Kg wet								R-05
Aroclor-1260 [2C]	ND	0.020	mg/Kg wet								R-05
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	*0.151*		mg/Kg wet	0.200		75.6	30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.178*		mg/Kg wet	0.200		88.9	30-150				
Surrogate: Tetrachloro-m-xylene	*0.167*		mg/Kg wet	0.200		83.7	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*0.181*		mg/Kg wet	0.200		90.6	30-150				
LCS (B215620-BS1)				Prepared: 10/24/18 Analyzed: 10/25/18							
Aroclor-1016	0.27	0.020	mg/Kg wet	0.400		67.9	40-140				R-05
Aroclor-1016 [2C]	0.29	0.020	mg/Kg wet	0.400		72.7	40-140				R-05
Aroclor-1260	0.26	0.020	mg/Kg wet	0.400		65.2	40-140				R-05
Aroclor-1260 [2C]	0.30	0.020	mg/Kg wet	0.400		75.5	40-140				R-05
Surrogate: Decachlorobiphenyl	*0.249*		mg/Kg wet	0.400		62.2	30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.294*		mg/Kg wet	0.400		73.5	30-150				
Surrogate: Tetrachloro-m-xylene	*0.255*		mg/Kg wet	0.400		63.7	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*0.279*		mg/Kg wet	0.400		69.8	30-150				
LCS Dup (B215620-BSD1)				Prepared: 10/24/18 Analyzed: 10/25/18							
Aroclor-1016	0.19	0.020	mg/Kg wet	0.200		94.7	40-140	**35.6**	*	30	R-05
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		102	40-140	**35.4**	*	30	R-05
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		89.1	40-140	**37.7**	*	30	R-05
Aroclor-1260 [2C]	0.20	0.020	mg/Kg wet	0.200		101	40-140	**39.5**	*	30	R-05
Surrogate: Decachlorobiphenyl	*0.166*		mg/Kg wet	0.200		83.0	30-150				
Surrogate: Decachlorobiphenyl [2C]	*0.196*		mg/Kg wet	0.200		98.1	30-150				
Surrogate: Tetrachloro-m-xylene	*0.177*		mg/Kg wet	0.200		88.4	30-150				
Surrogate: Tetrachloro-m-xylene [2C]	*0.192*		mg/Kg wet	0.200		95.8	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 B215620 - SW-846 3540C										
Matrix Spike (B215620-MS1)	**Source: 18J1227-01**			Prepared: 10/24/18 Analyzed: 10/26/18						
Aroclor-1016	0.23	0.094	mg/Kg dry	0.234	ND	99.9	40-140			R-05
Aroclor-1016 [2C]	0.25	0.094	mg/Kg dry	0.234	ND	107	40-140			R-05
Aroclor-1260	0.26	0.094	mg/Kg dry	0.234	ND	110	40-140			R-05
Aroclor-1260 [2C]	0.27	0.094	mg/Kg dry	0.234	ND	115	40-140			R-05
Surrogate: Decachlorobiphenyl	*0.214*		mg/Kg dry	0.234		91.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.217*		mg/Kg dry	0.234		92.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.197*		mg/Kg dry	0.234		83.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.207*		mg/Kg dry	0.234		88.4	30-150			
Matrix Spike Dup (B215620-MSD1)	**Source: 18J1227-01**			Prepared: 10/24/18 Analyzed: 10/26/18						
Aroclor-1016	0.23	0.094	mg/Kg dry	0.234	ND	100	40-140	0.337	50	R-05
Aroclor-1016 [2C]	0.25	0.094	mg/Kg dry	0.234	ND	108	40-140	1.12	50	R-05
Aroclor-1260	0.26	0.094	mg/Kg dry	0.234	ND	112	40-140	0.908	50	R-05
Aroclor-1260 [2C]	0.27	0.094	mg/Kg dry	0.234	ND	116	40-140	0.582	50	R-05
Surrogate: Decachlorobiphenyl	*0.221*		mg/Kg dry	0.234		94.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.218*		mg/Kg dry	0.234		93.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.197*		mg/Kg dry	0.234		84.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.206*		mg/Kg dry	0.234		88.2	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 B215628 - % Solids										
Duplicate (B215628-DUP3)	**Source: 18J1227-01**			Prepared: 10/24/18 Analyzed: 10/25/18						
% Solids	82.8		% Wt		84.8			2.38	20	
Duplicate (B215628-DUP4)	**Source: 18J1227-02**			Prepared: 10/24/18 Analyzed: 10/25/18						
% Solids	82.5		% Wt		79.3			3.93	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

S10

Lab Sample ID: 18J1227-01 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.10	
	2	0.000	-0.030	0.030	0.13	16.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

S14

Lab Sample ID: 18J1227-06 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.74	
	2	0.000	-0.030	0.030	0.77	4.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

S29

Lab Sample ID: 18J1227-21 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.5	
	2	0.000	-0.030	0.030	2.5	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

S30

Lab Sample ID: 18J1227-22 Date(s) Analyzed 10/25/2018 10/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.14	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

S31

Lab Sample ID: 18J1227-24 Date(s) Analyzed 10/25/2018 10/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.16	28.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215613-BS1 Date(s) Analyzed 10/25/2018 10/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215613-BSD1 Date(s) Analyzed 10/25/2018 10/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.17	
	2	0.000	-0.030	0.030	0.19	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215620-BS1 Date(s) Analyzed 10/25/2018 10/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.27	
	2	0.000	-0.030	0.030	0.29	7.1
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.30	14.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215620-BSD1 Date(s) Analyzed 10/25/2018 10/25/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.20	5.1
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.20	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B215620-MS1 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.25	8.3
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.27	3.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B215620-MSD1 Date(s) Analyzed 10/26/2018 10/26/2018

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.23	
	2	0.000	-0.030	0.030	0.25	4.1
Aroclor-1260	1	0.000	-0.030	0.030	0.26	
	2	0.000	-0.030	0.030	0.27	3.8

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
R-05	Laboratory fortified blank duplicate RPD is outside of control limits. Reduced precision is anticipated for any reported value for this compound.

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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
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

AC
ALB

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Email: info@contestlabs.com

18J1227

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Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-559-3860
Project Name:
Project Location: 27 Parsons Ln, Durham, CT
Project Number: CWC-18-00543
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@
Fax To #: eversource.com

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB 8082 - Soxhlet	10	H	A
1	S10	10/24/18	1110		X	S	4	X			
2	S10 Duplicate	10/24/18	1110		X	S	4	X			
3	S11	10/24/18	1112		X	S	4	X			
4	S12	10/24/18	1113		X	S	4	X			
5	S13	10/24/18	1115		X	S	4	X			
6	S14	10/24/18	1114		X	S	4	X			
7	S15	10/24/18	1116		X	S	4	X			
8	S16	10/24/18	1117		X	S	4	X			
9	S17	10/24/18	1118		X	S	4	X			
10	S18	10/24/18	1119		X	S	4	X			

ANALYSIS REQUESTED

# of Containers
[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

Comments: Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:
	10/24/18 12:30
Received by: (signature)	Date/Time:
Tom Mussa	10/24/18 15:30
Relinquished by: (signature)	Date/Time:
Tom Mussa	10/24/18 1750
Received by: (signature)	Date/Time:
2.9	10-24-18 17:5
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT GA/RES
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 3

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-559-3860
Project Name:
Project Location: 27 Parsons Ln, Durham, CT
Project Number: CWC-18-00543
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Date Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	10 PCB 8082 w Soxhlet	# of Containers	Preservation Code	Container Code
11	S19	10/24/18	1120		X	S	U	X		I	A
12	S20	10/24/18	1121		X	S	U	X			
13	S21	10/24/18	1122		X	S	U	X			
14	S22	10/24/18	1123		X	S	U	X			
15	S23	10/24/18	1124		X	S	U	X			
16	S24	10/24/18	~~1123~~ MG 1125		X	S	U	X			
17	S25	10/24/18	1126		X	S	U	X			
18	S26	10/24/18	1132		X	S	U	X			
19	S27	10/24/18	1133		X	S	U	X			
20	S28	10/24/18	1134		X	S	U	X			

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) 10/24	18 12:30
Received by: (signature) Tom Mann 10/24/18	1530
Relinquished by: (signature) Tom Mann 10/14/18	1750
Received by: (signature) 2.9 10-24-18	17:50
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements
MA
CT GA/Res
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

18T1227

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CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 3

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-559-3860
Project Name:
Project Location: 27 Pigeons Ln, Durham, CT
Project Number: CWC-18-00543
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB 8082 Soxhlet	# of Containers	[2] Preservation Code	[3] Container Code
21	S29	10/24/18	1135		X	S	U	X	4	H	A
22	S30	10/24/18	1136		X	S	U	X			
23	S30 Duplicate	10/24/18	1136		X	S	U	X			
24	S31	10/24/18	1137		X	S	U	X			

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)		Date/Time: 10/24/18 12:30
Received by: (signature)		Date/Time: 10/24/18 15:30
Relinquished by: (signature)		Date/Time: 10/24/18 1750
Received by: (signature)	2.9 10-24-18	Date/Time: 17:50
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
CT GA/Res
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP, LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Eversource

Received By ESO Date 10-24-18 Time 13:50

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.9

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client F Project T Analysis T ID's T Sampler Name T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? T Who was notified? Brie

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	24
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

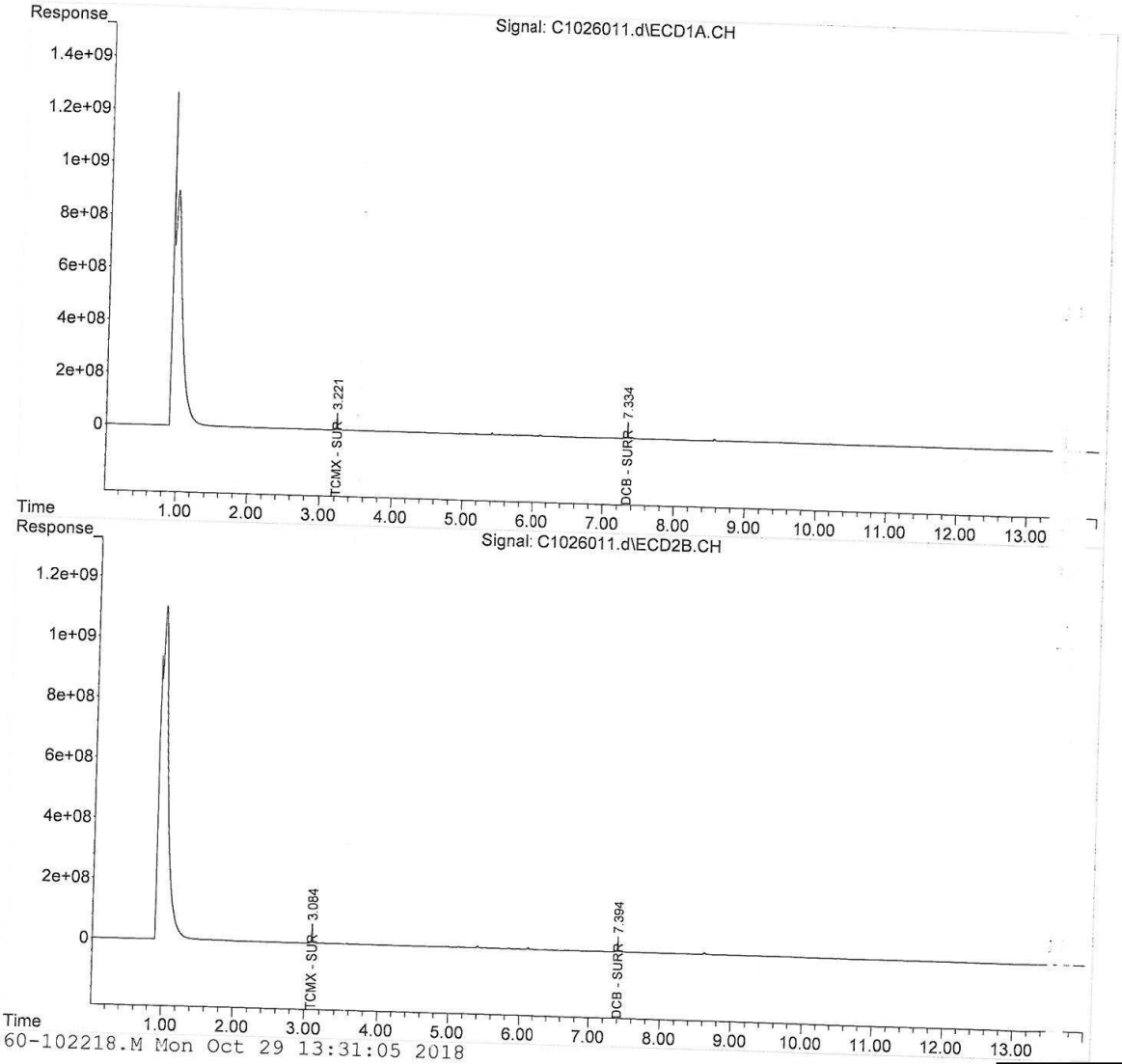
Comments:

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026011.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 16:56 pm
Operator : JMB
Sample : 18J1227-01@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:21:02 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



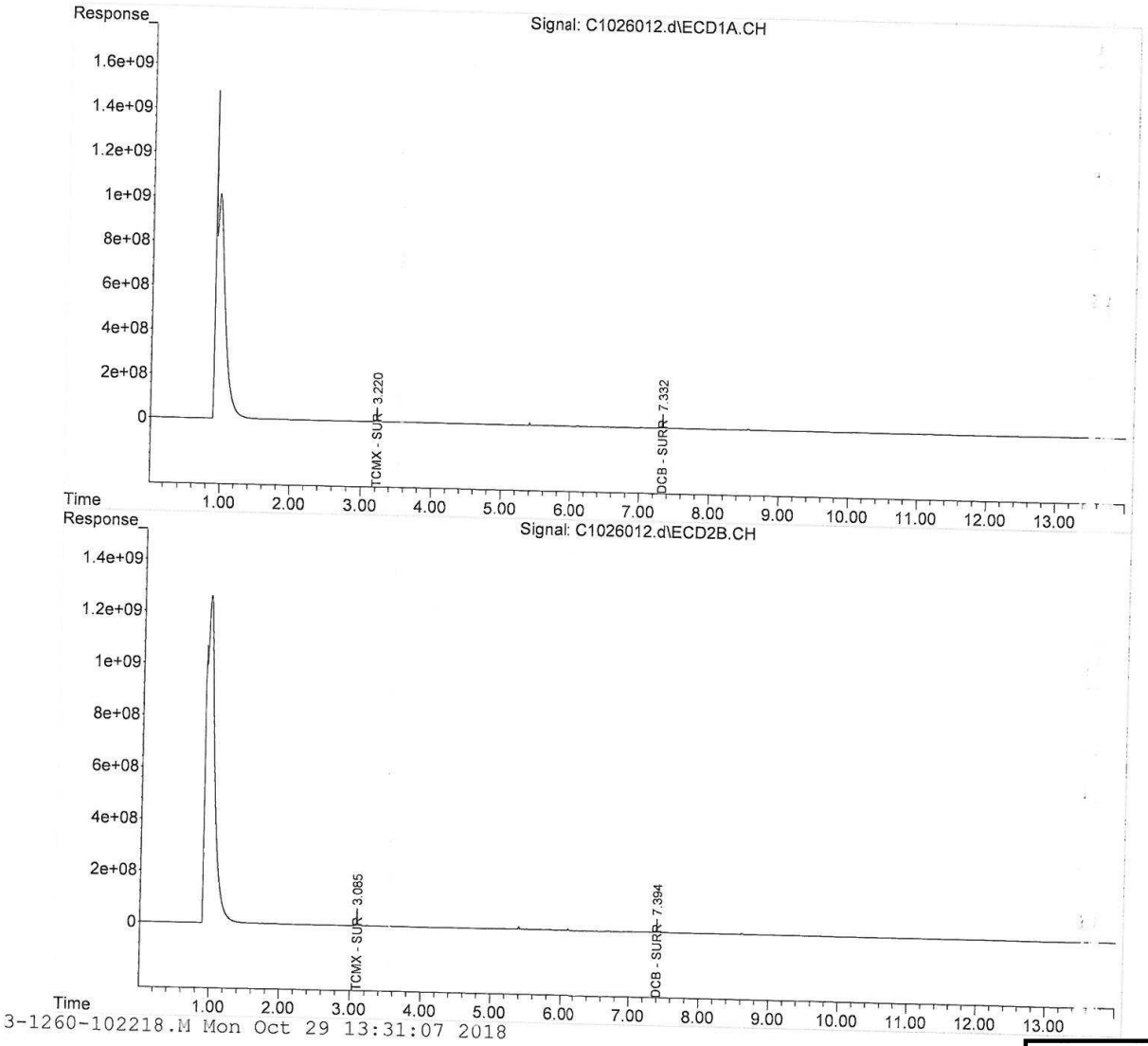
3-1260-102218.M Mon Oct 29 13:31:05 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026012.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 17:14 pm
Operator : JMB
Sample : 18J1227-02@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:23:18 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



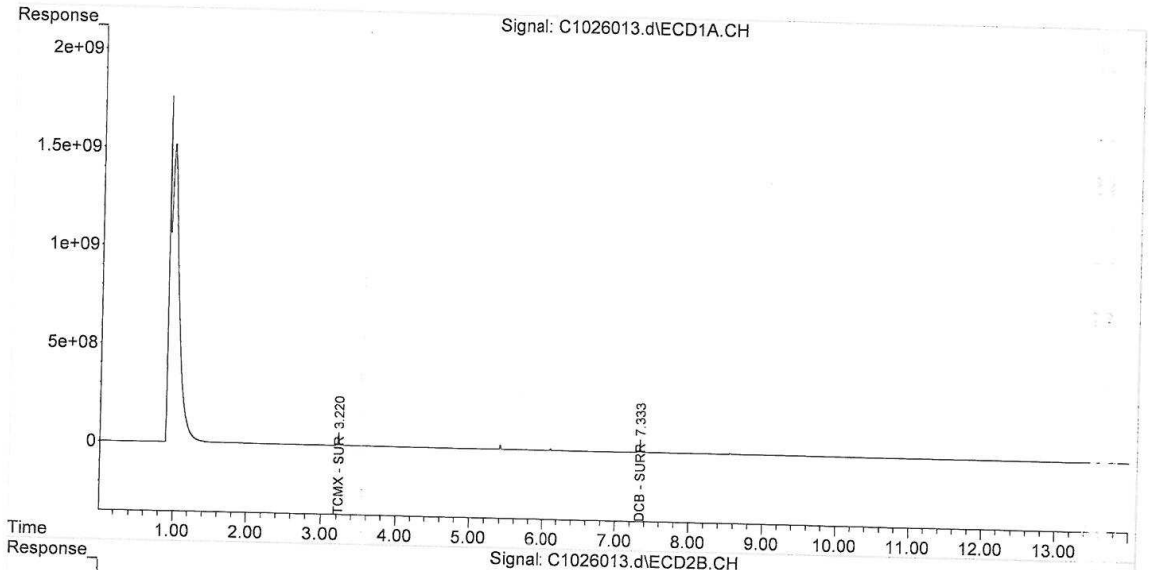
3-1260-102218.M Mon Oct 29 13:31:07 2018

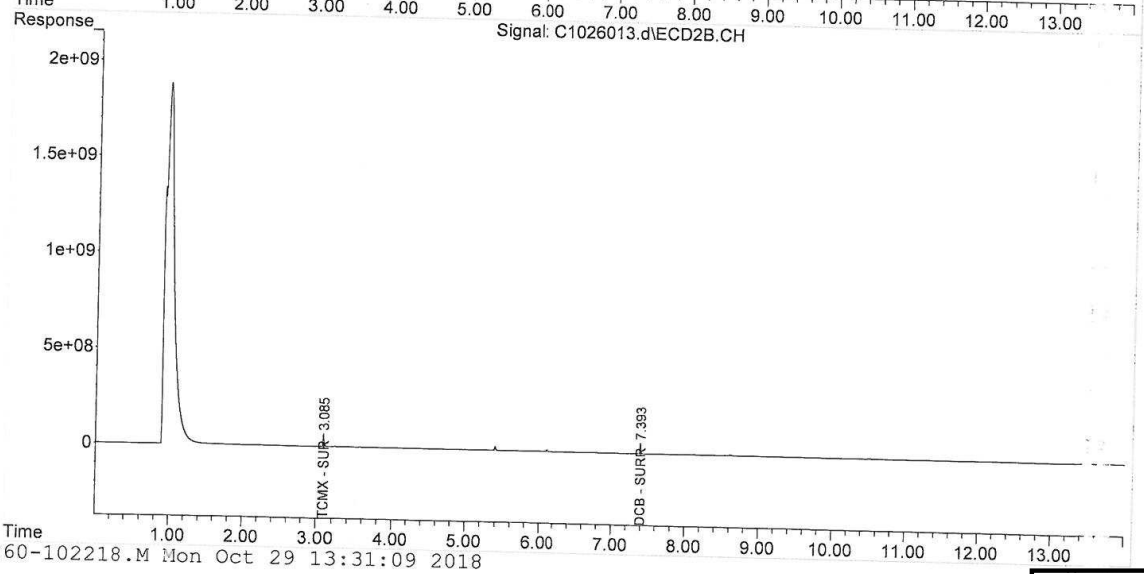
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026013.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 17:32 pm
Operator : JMB
Sample : 18J1227-03@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:27:20 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





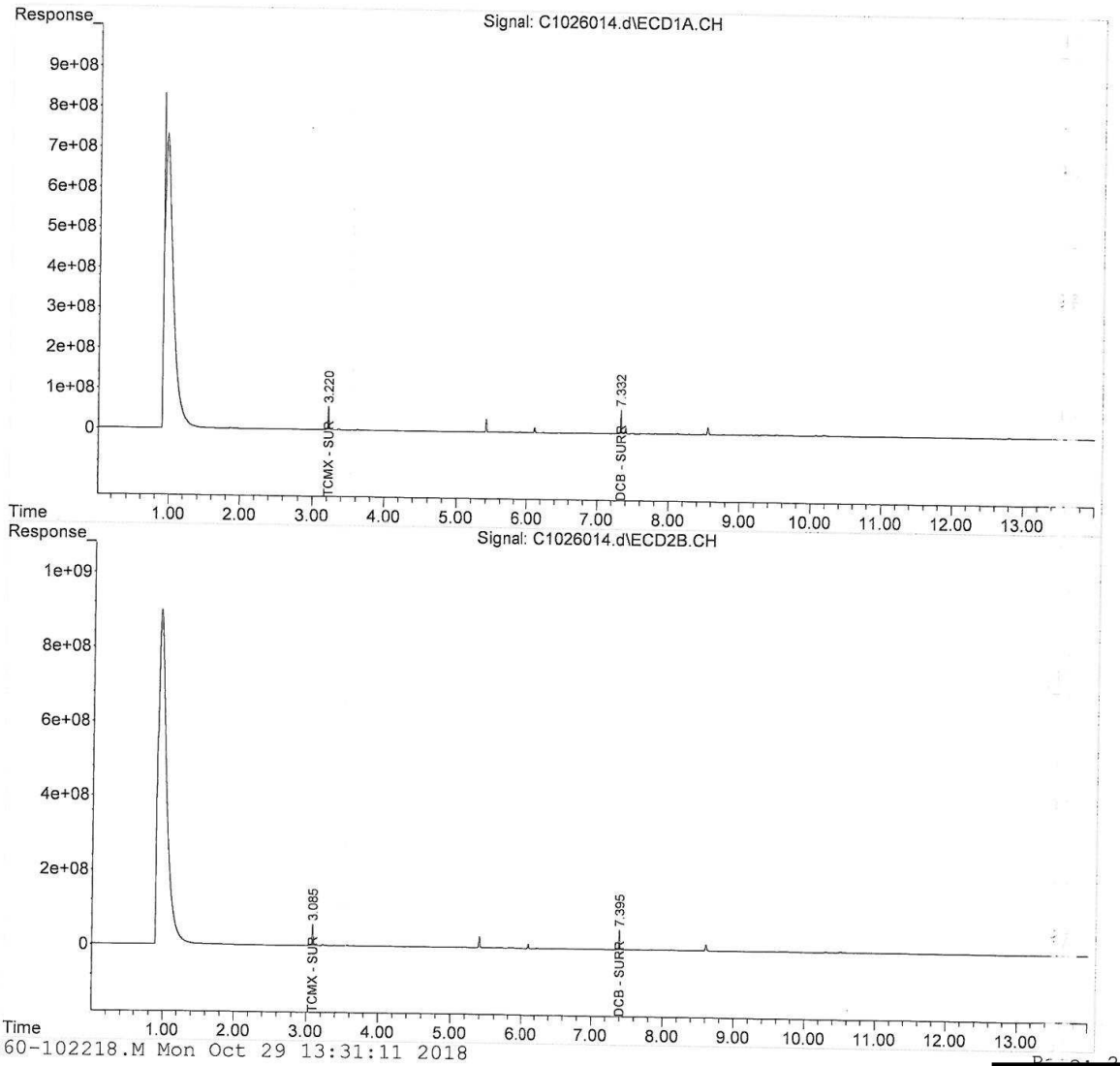
3-1260-102218.M Mon Oct 29 13:31:09 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026014.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 17:50 pm
Operator : JMB
Sample : 18J1227-04@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:29:13 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



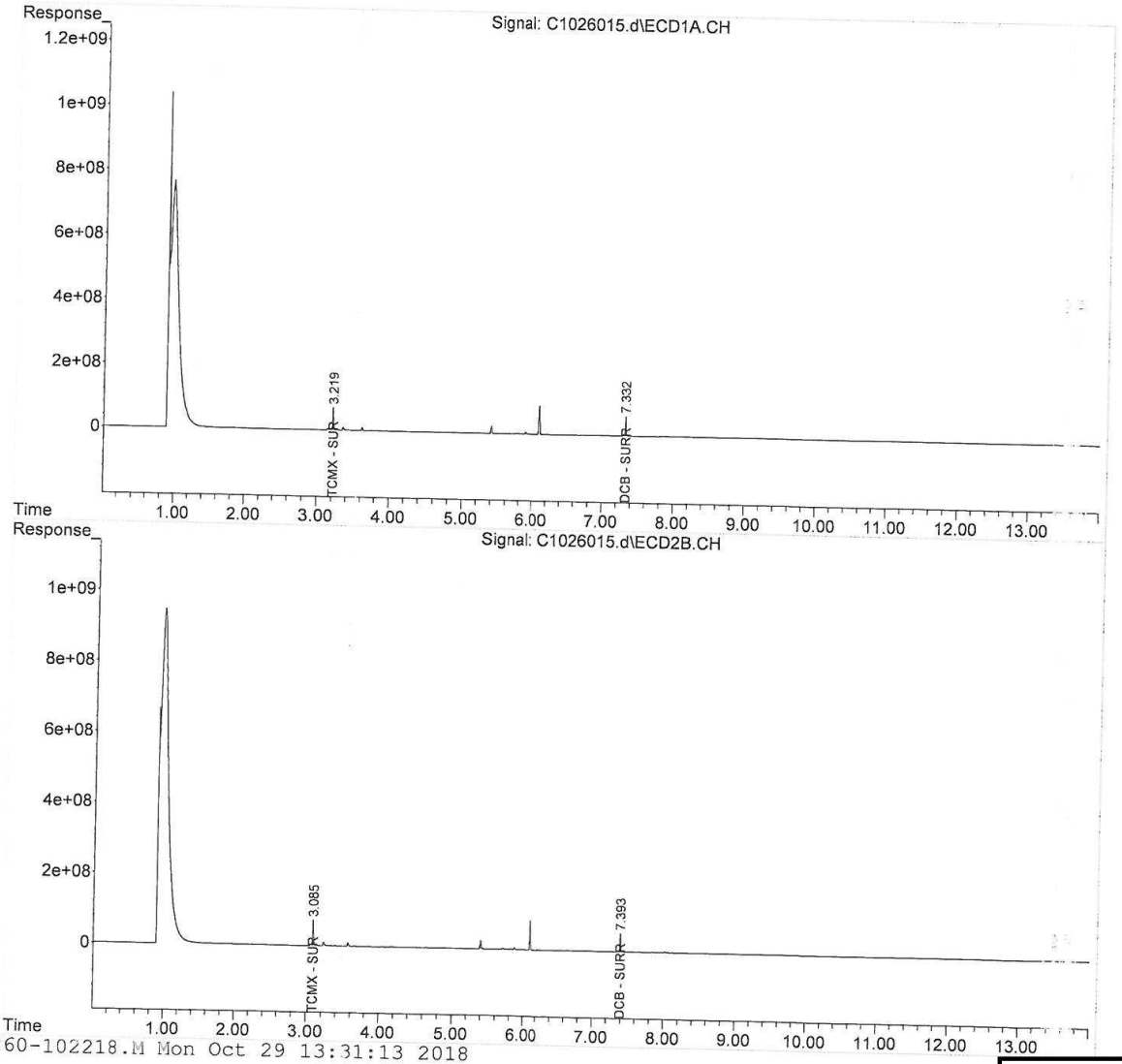
3-1260-102218.M Mon Oct 29 13:31:11 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026015.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 18:08 pm
Operator : JMB
Sample : 18J1227-05@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:30:45 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



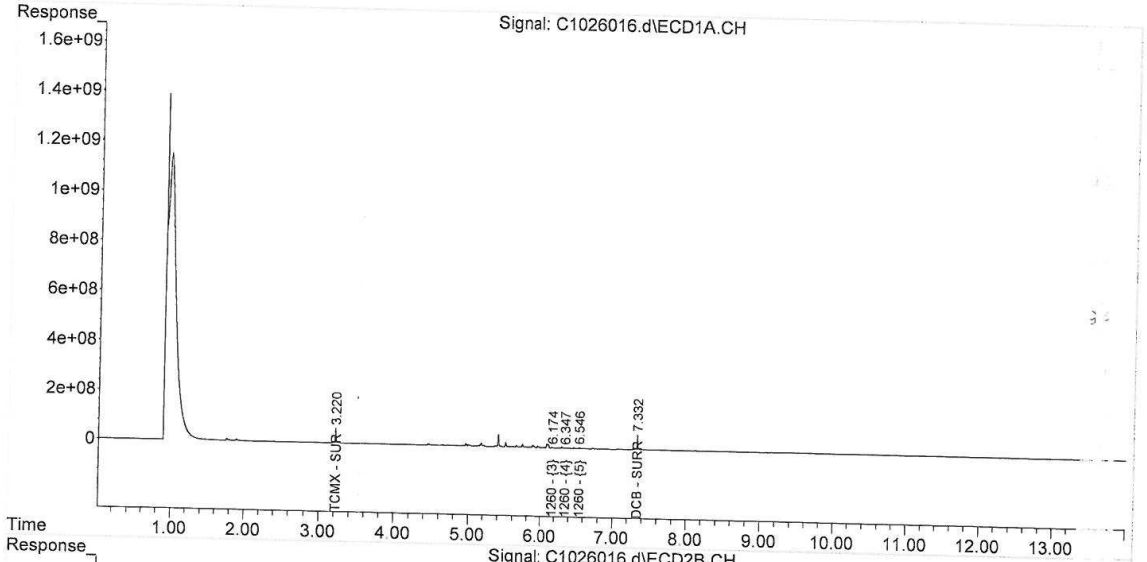
3-1260-102218.M Mon Oct 29 13:31:13 2018

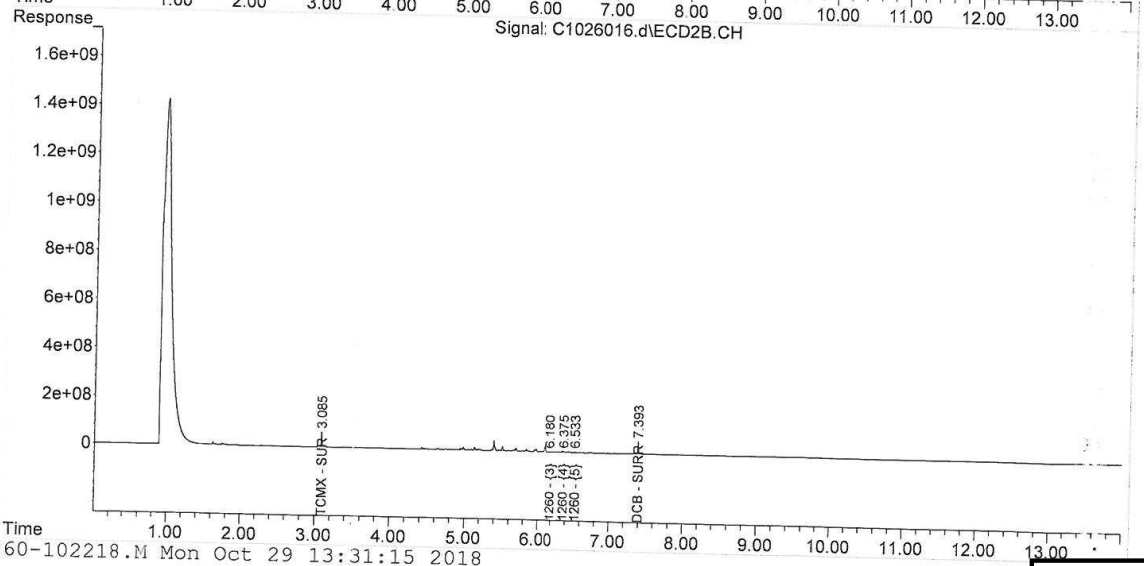
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026016.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 18:26 pm
Operator : JMB
Sample : 18J1227-06@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:42:55 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





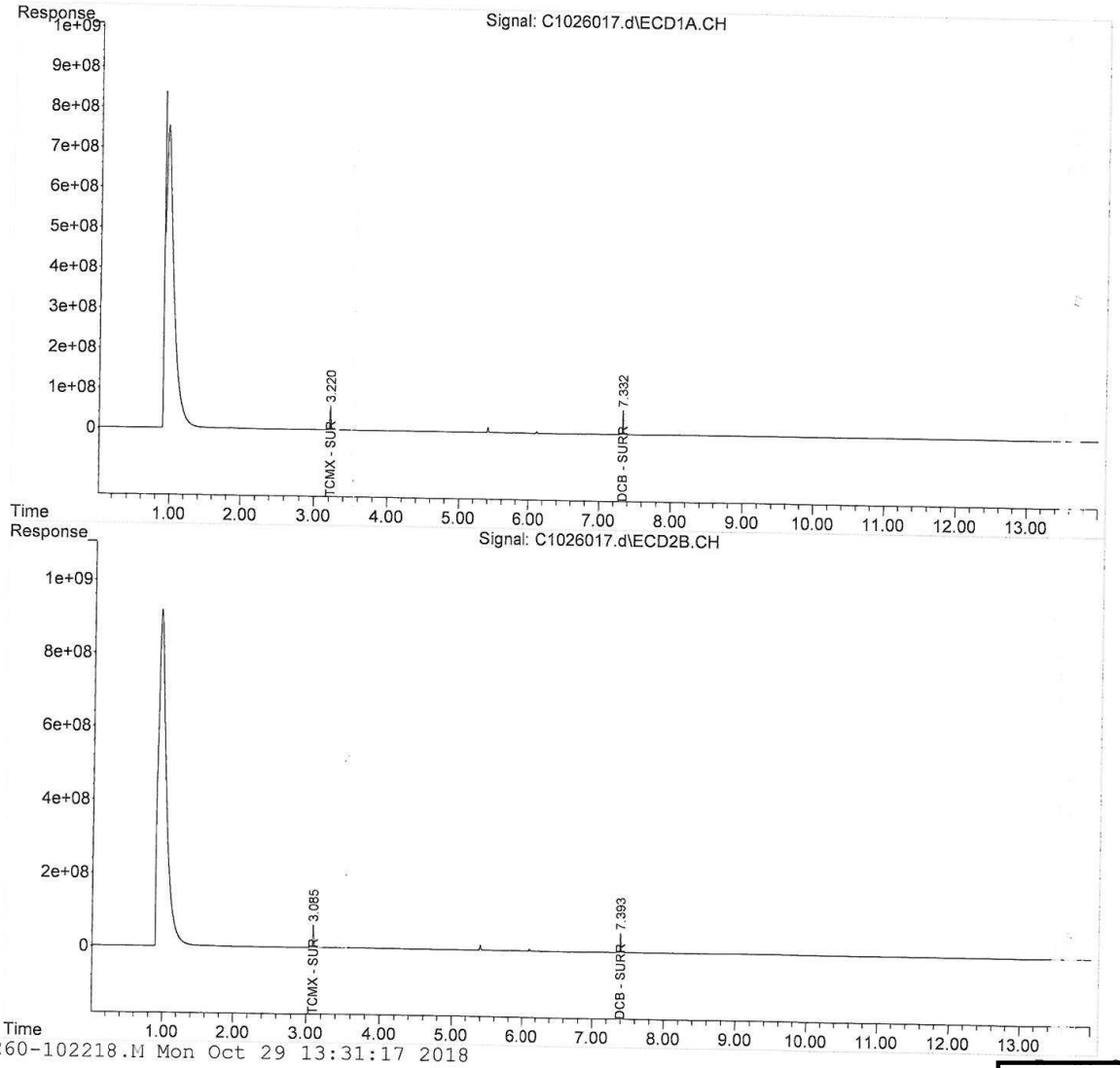
3-1260-102218.M Mon Oct 29 13:31:15 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026017.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 18:44 pm
Operator : JMB
Sample : 18J1227-07@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:44:43 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



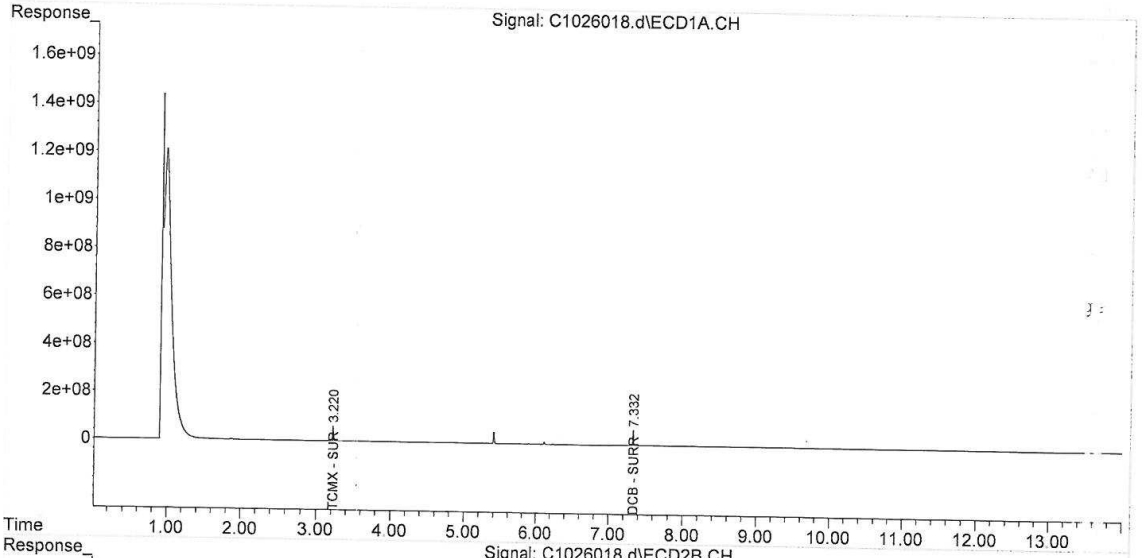
3-1260-102218.M Mon Oct 29 13:31:17 2018

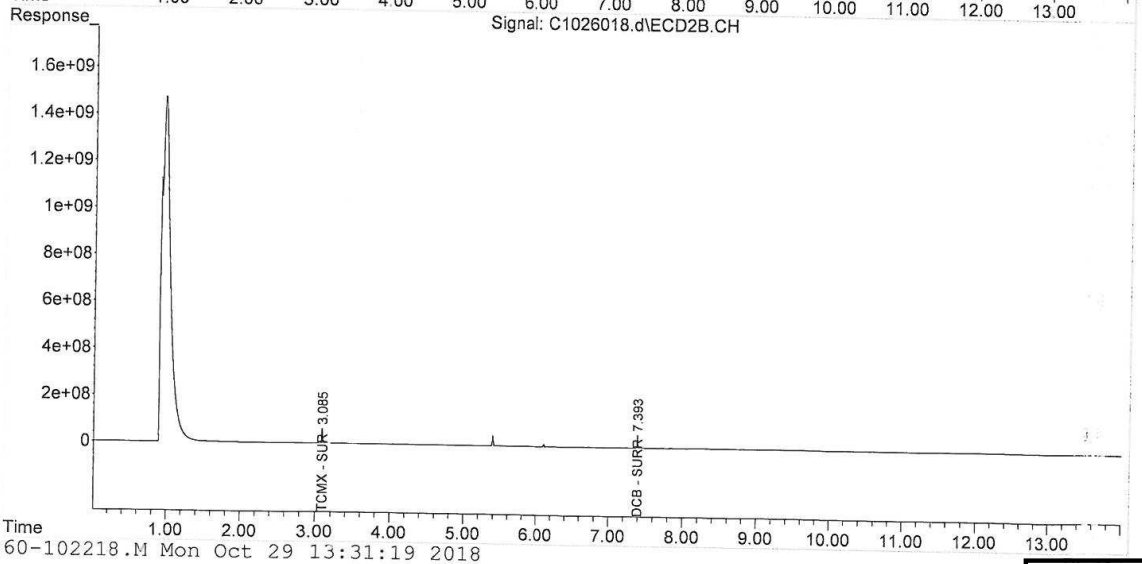
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026018.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 19:02 pm
Operator : JMB
Sample : 18J1227-08@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:45:16 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





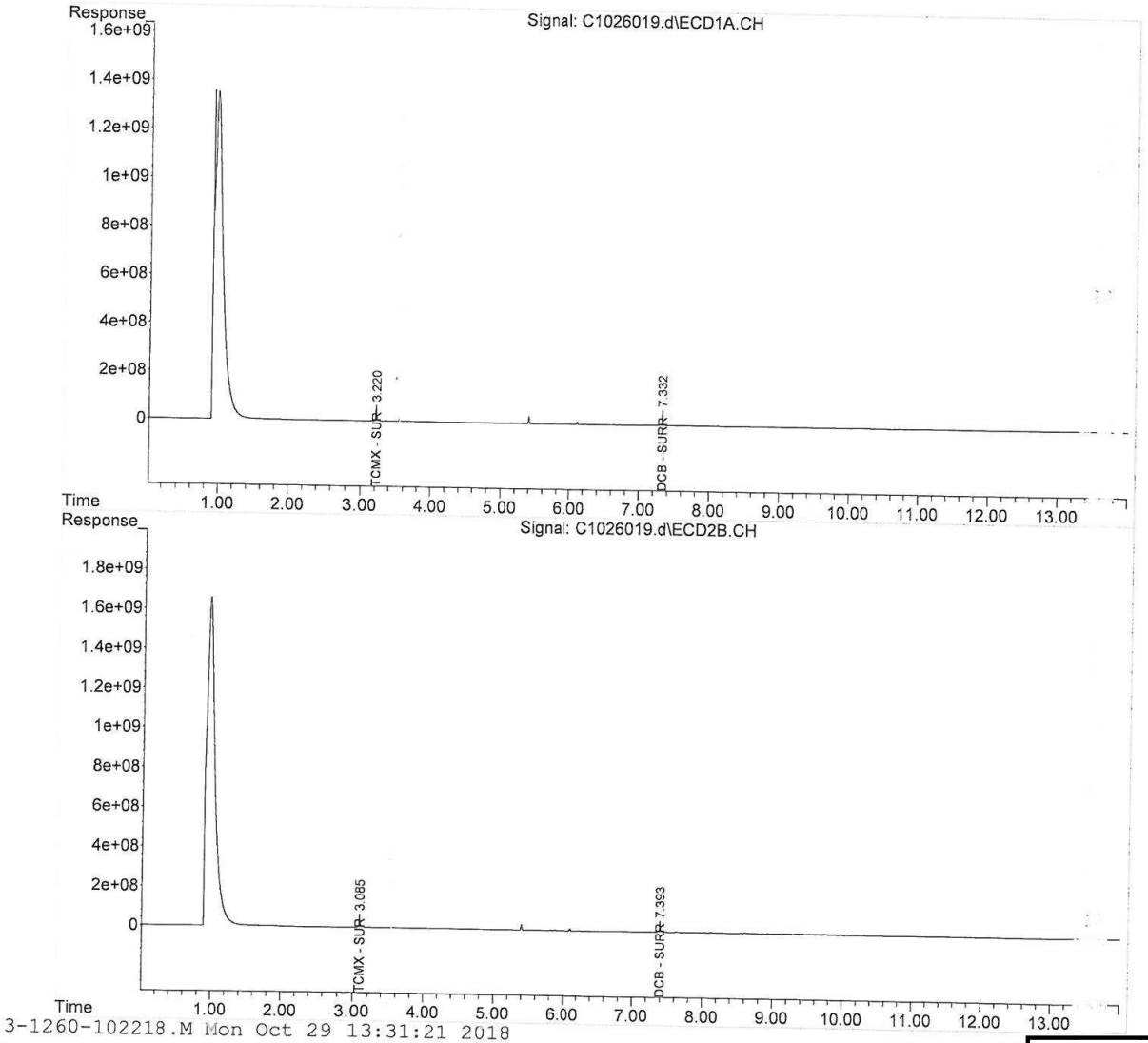
3-1260-102218.M Mon Oct 29 13:31:19 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026019.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 19:20 pm
Operator : JMB
Sample : 18J1227-09@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:45:54 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



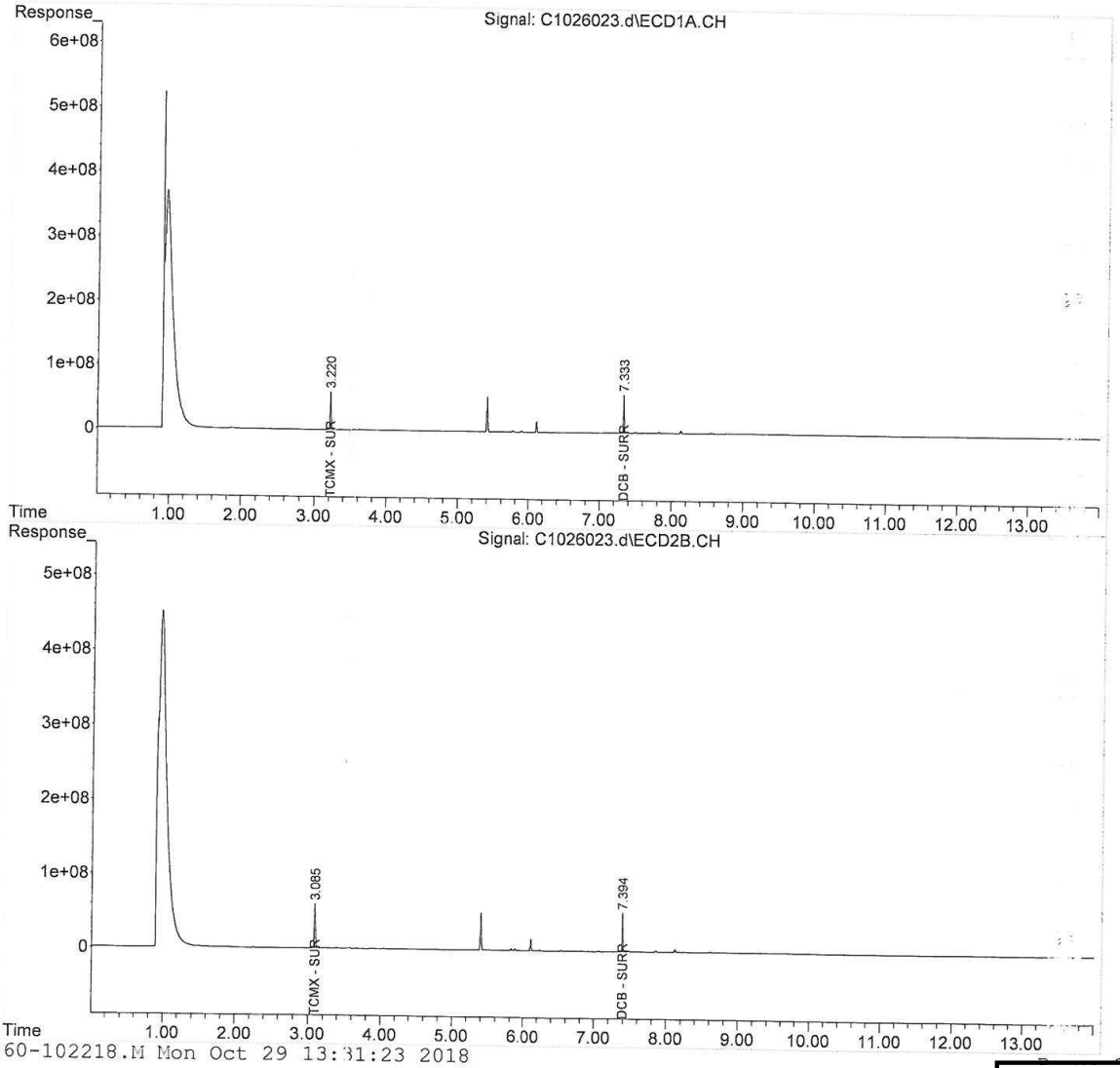
3-1260-102218.M Mon Oct 29 13:31:21 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026023.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 20:26 pm
Operator : JMB
Sample : 18J1227-10@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:48:15 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



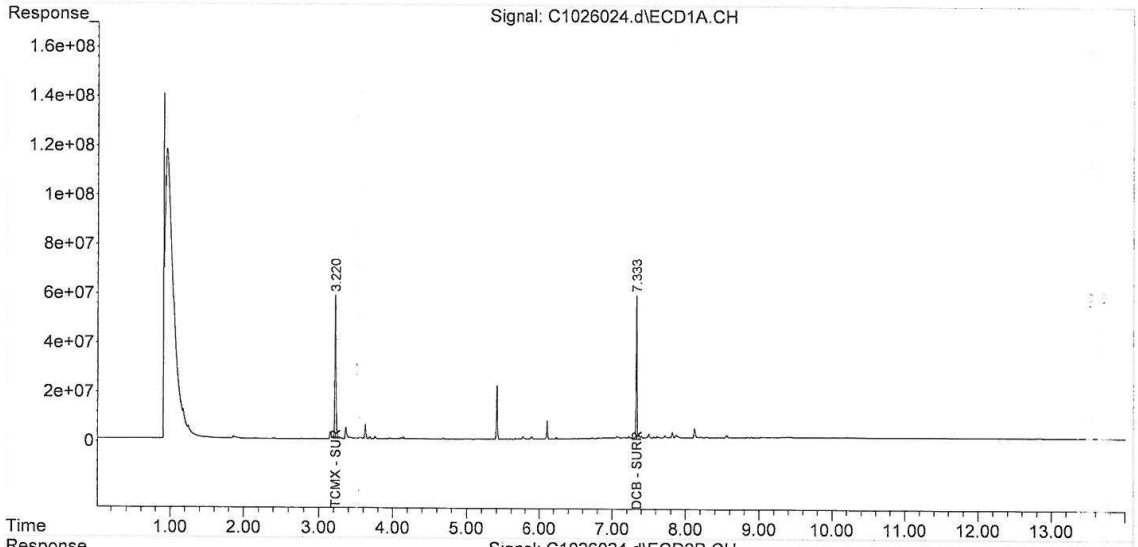
3-1260-102218.M Mon Oct 29 13:31:23 2018

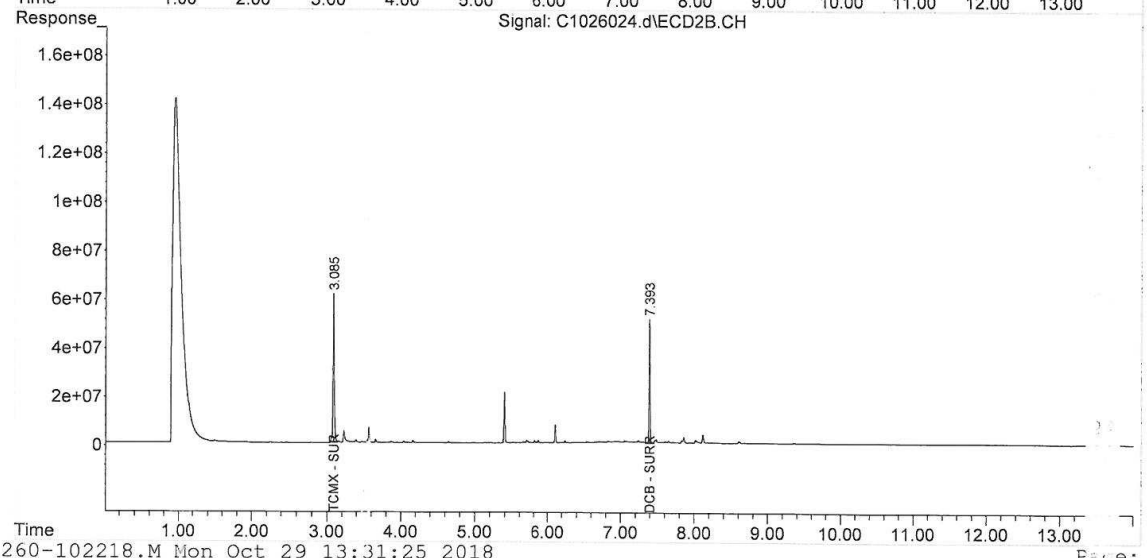
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026024.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 20:44 pm
Operator : JMB
Sample : 18J1227-11@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:48:39 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





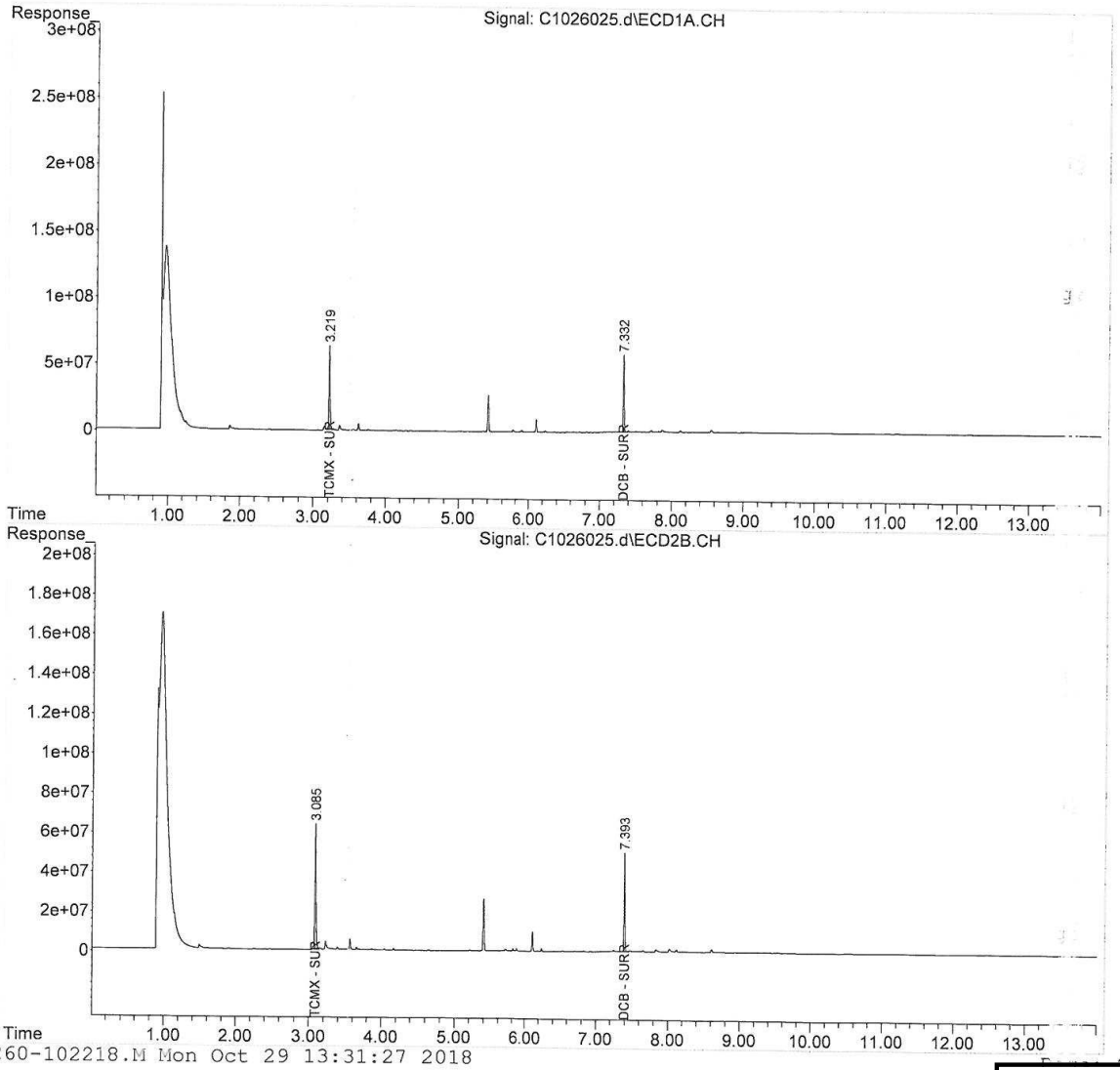
3-1260-102218.M Mon Oct 29 13:31:25 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026025.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:02 pm
Operator : JMB
Sample : 18J1227-12@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:49:17 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



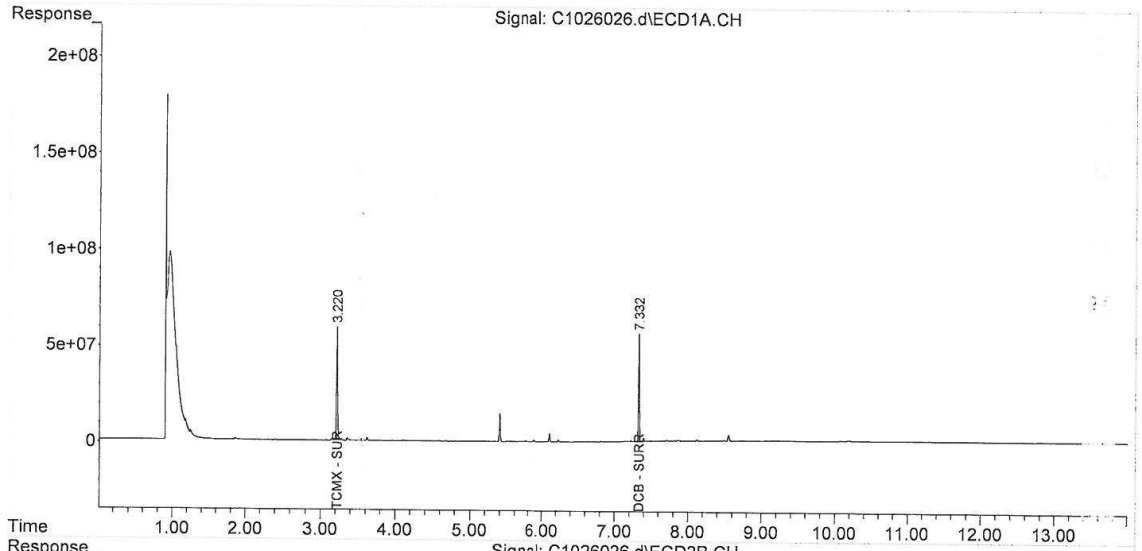
3-1260-102218.M Mon Oct 29 13:31:27 2018

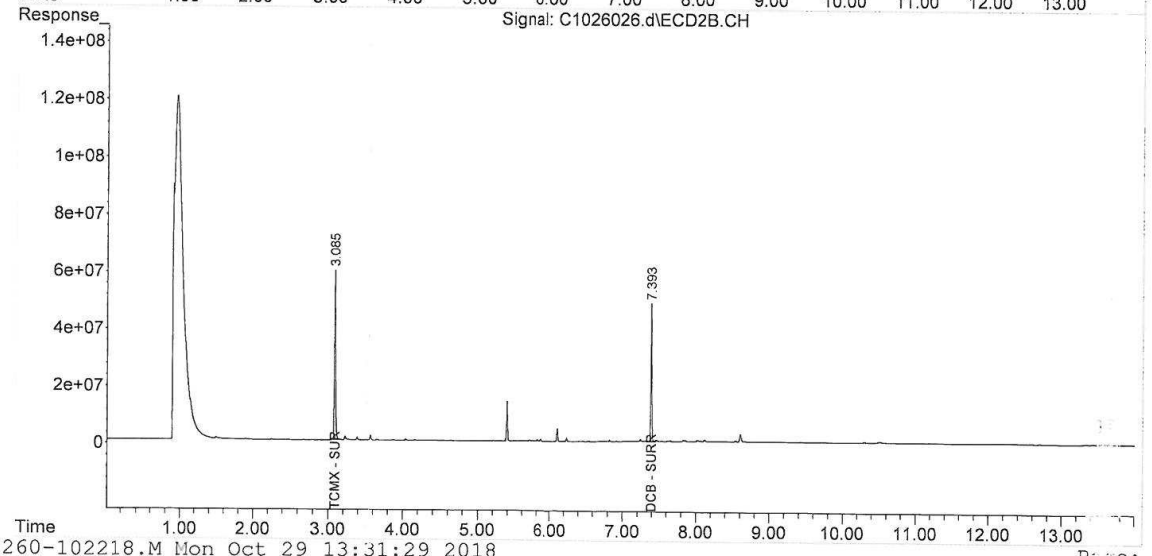
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026026.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:20 pm
Operator : JMB
Sample : 18J1227-13@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:49:32 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





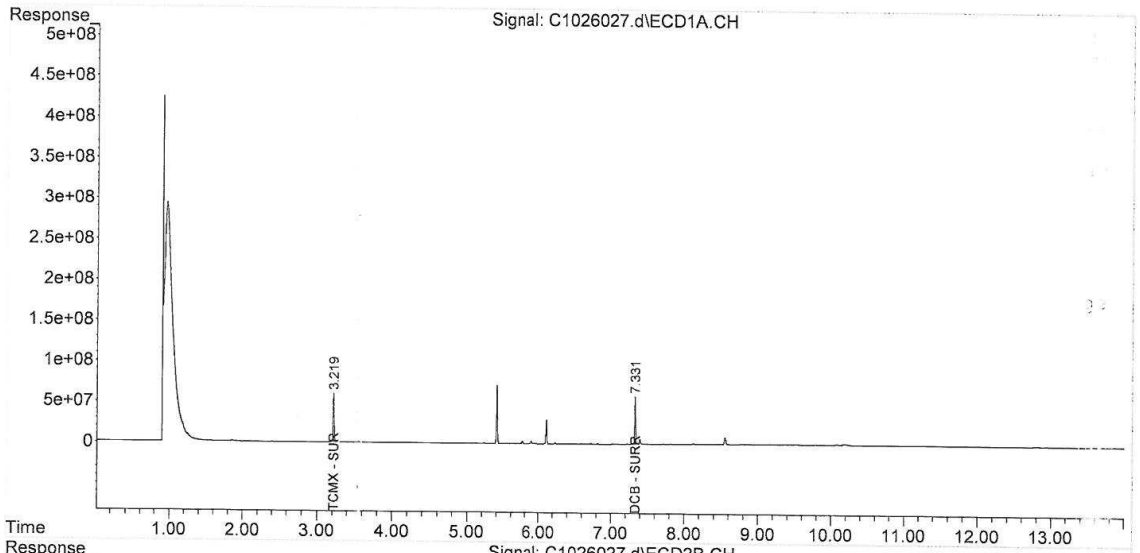
3-1260-102218.M Mon Oct 29 13:31:29 2018 Page: 2

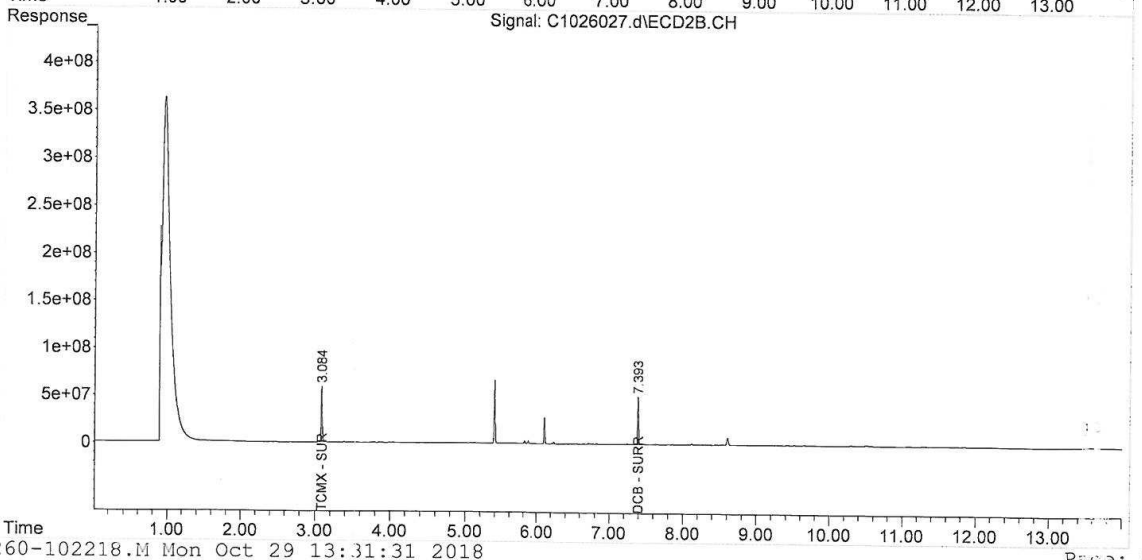
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026027.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:38 pm
Operator : JMB
Sample : 18J1227-14@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:50:01 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





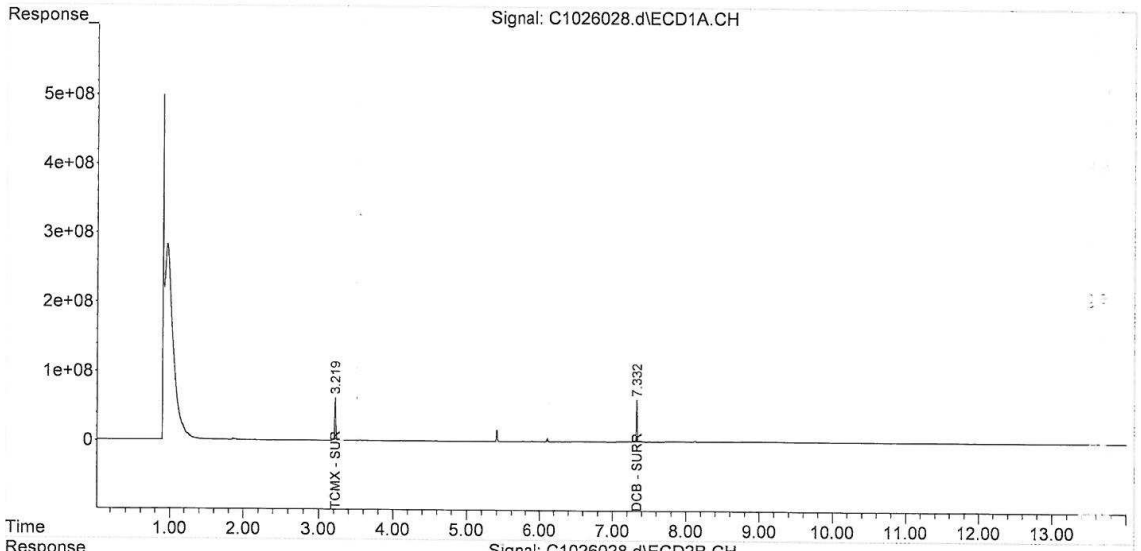
3-1260-102218.M Mon Oct 29 13:31:31 2018

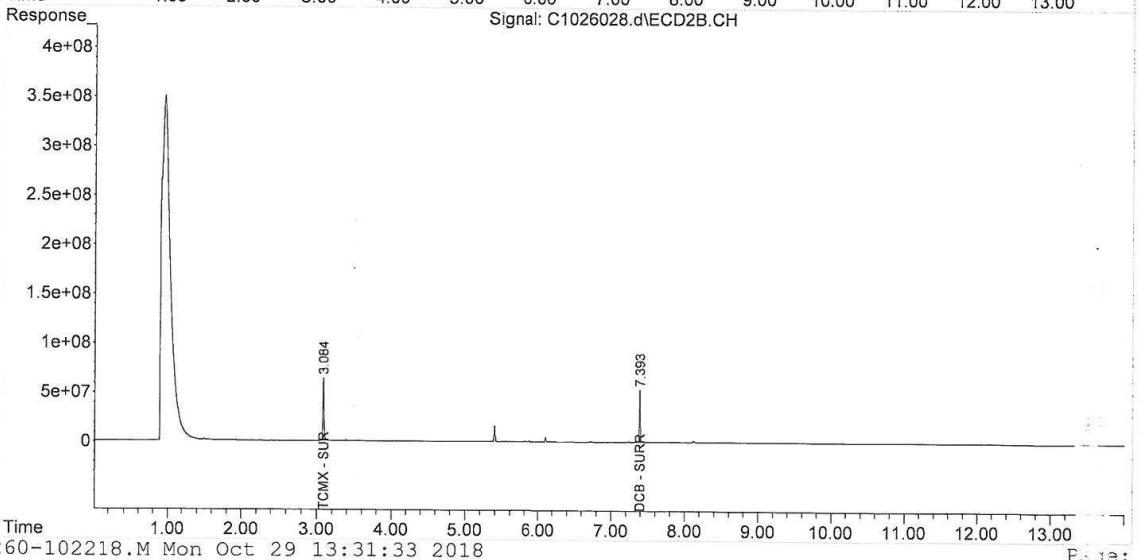
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026028.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:56 pm
Operator : JMB
Sample : 18J1227-15@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:50:21 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





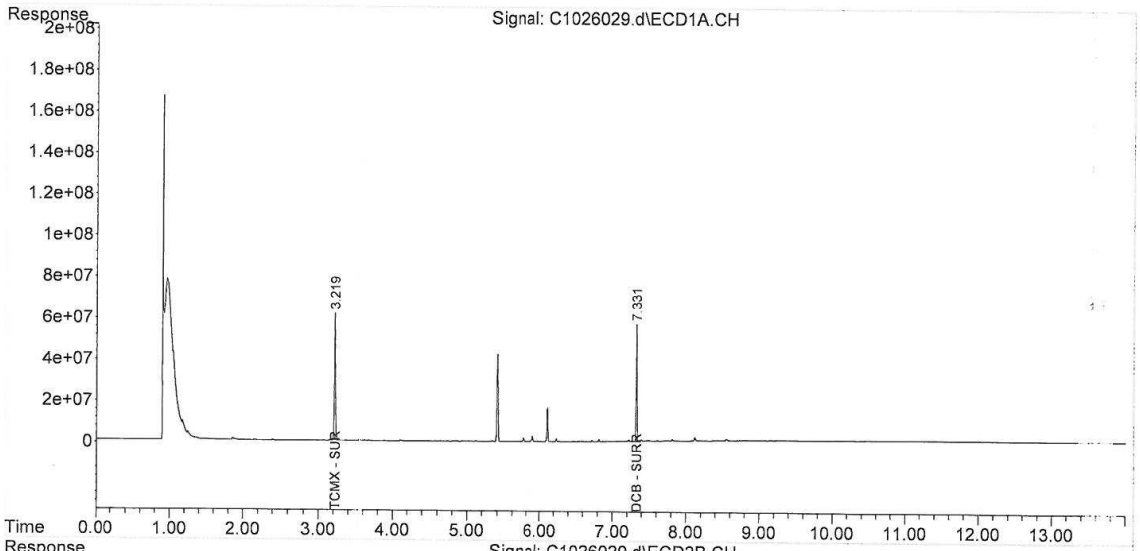
3-1260-102218.M Mon Oct 29 13:31:33 2018 Page: 2

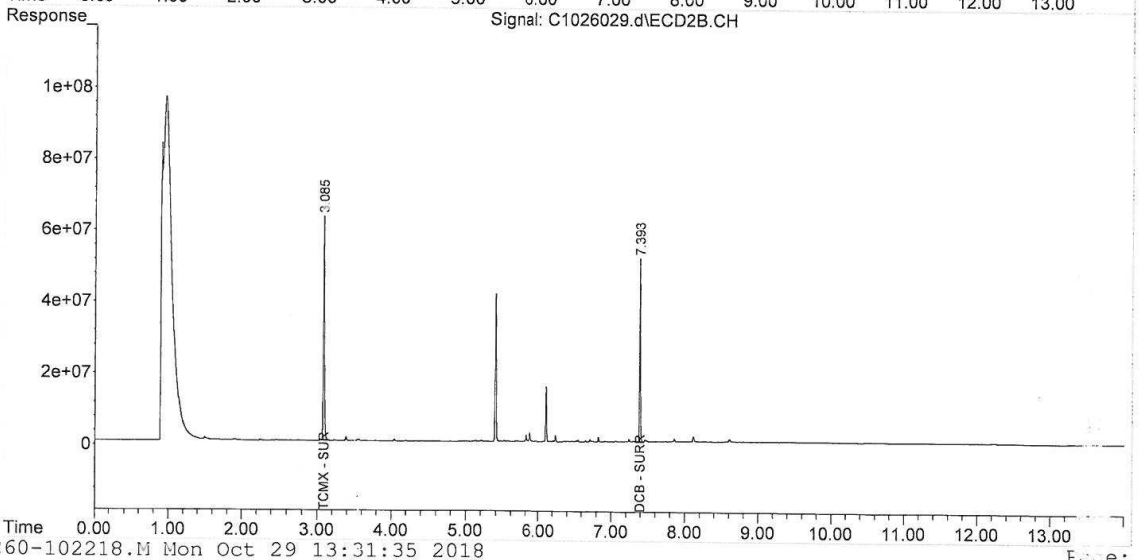
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026029.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 22:14 pm
Operator : JMB
Sample : 18J1227-16@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:50:38 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





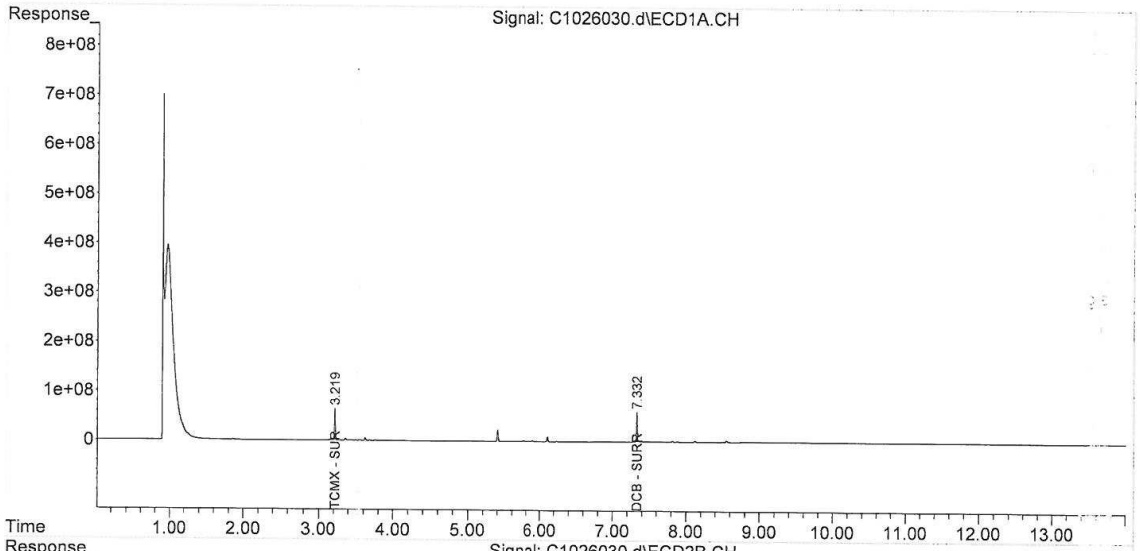
3-1260-102218.M Mon Oct 29 13:31:35 2018 Page: 2

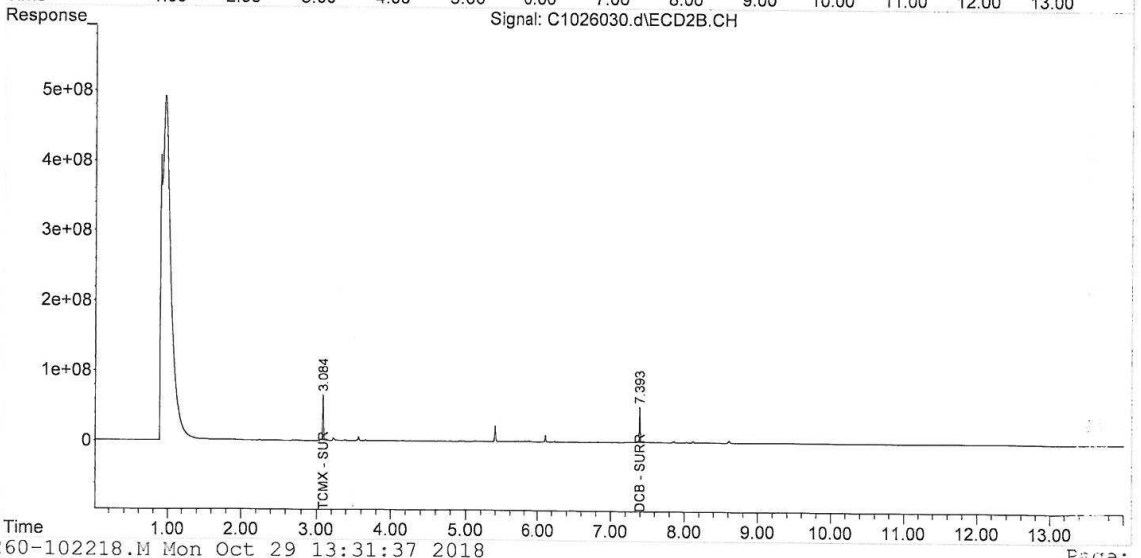
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026030.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 22:32 pm
Operator : JMB
Sample : 18J1227-17@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:51:18 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





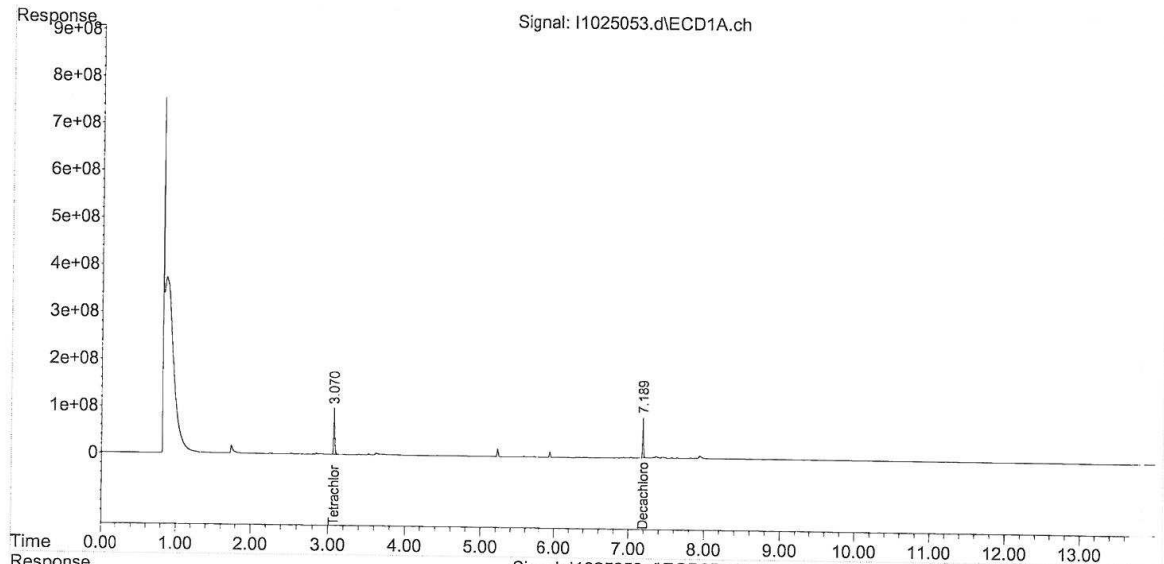
3-1260-102218.M Mon Oct 29 13:31:37 2018 Page: 2

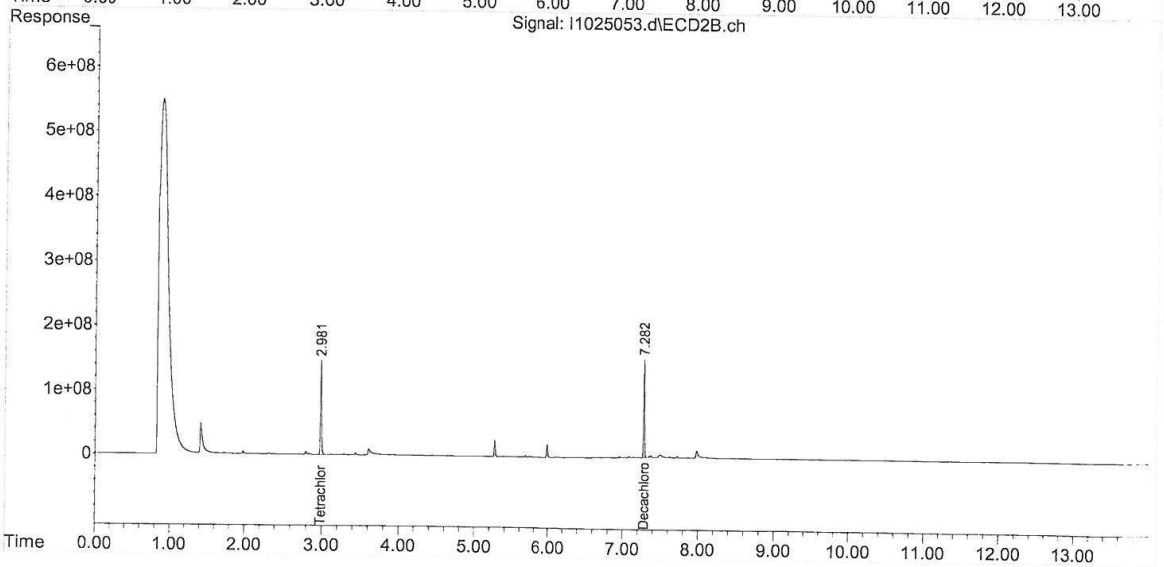
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025053.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 8:41 pm
Operator : JMB
Sample : 18J1227-18@4X TBA Inst : ECD 9
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:38:46 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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





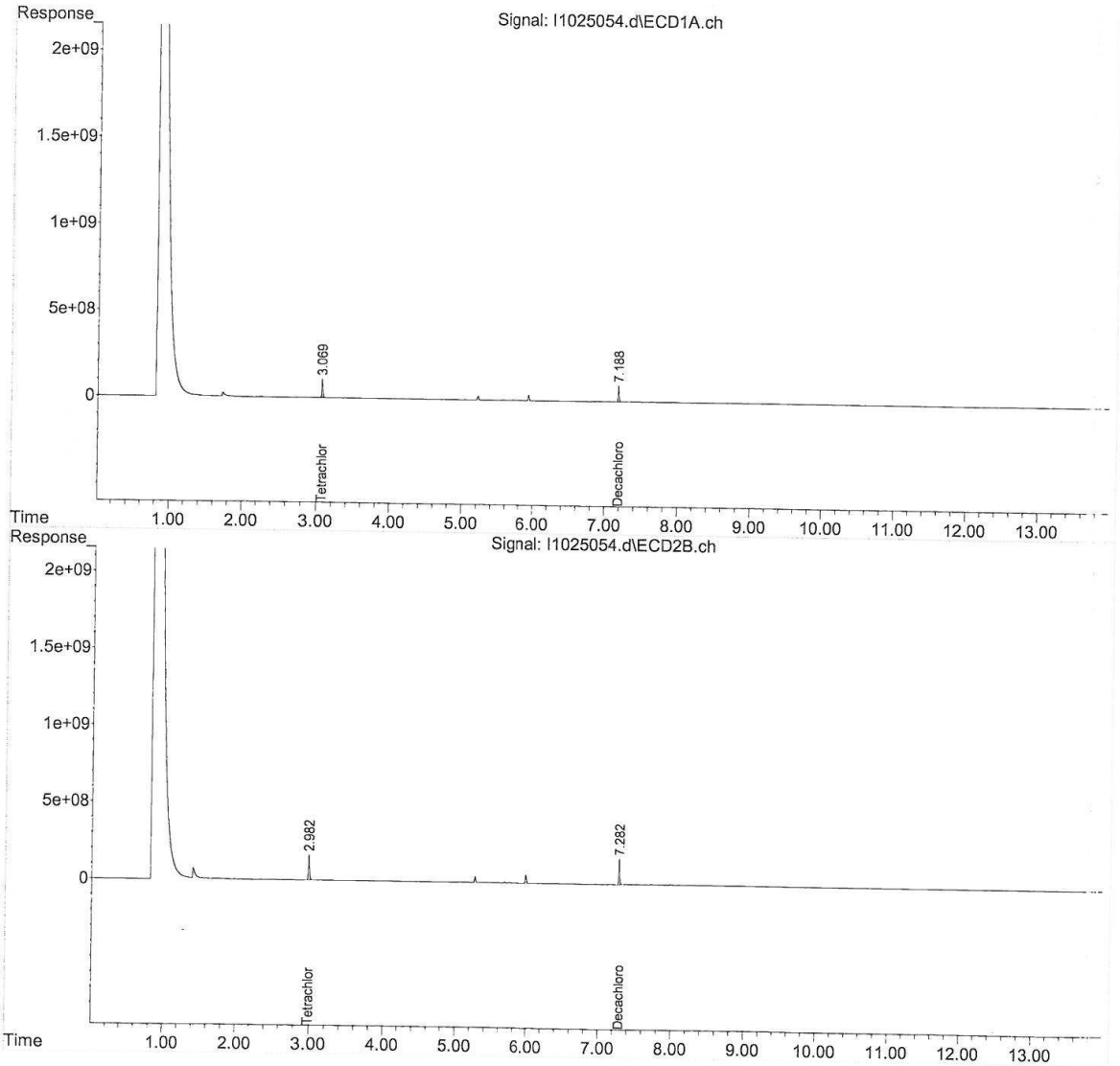
9-1260-101618.M Mon Oct 29 12:36:23 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025054.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 8:58 pm
Operator : JMB
Sample : 18J1227-19@4X TBA Inst : ECD 9
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:39:21 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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



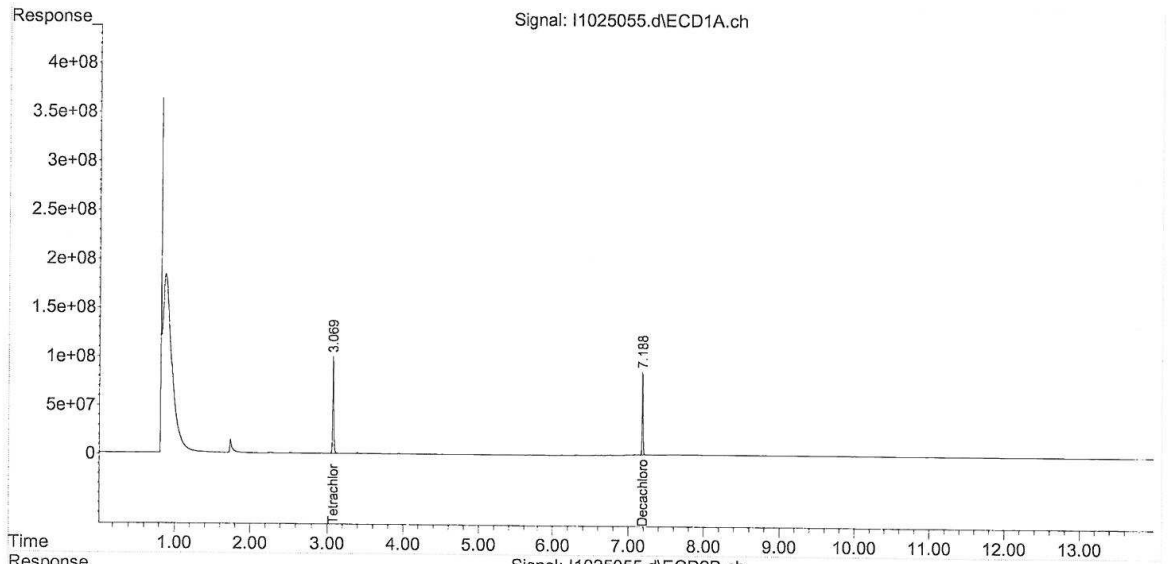
9-1260-101618.M Mon Oct 29 12:36:27 2018

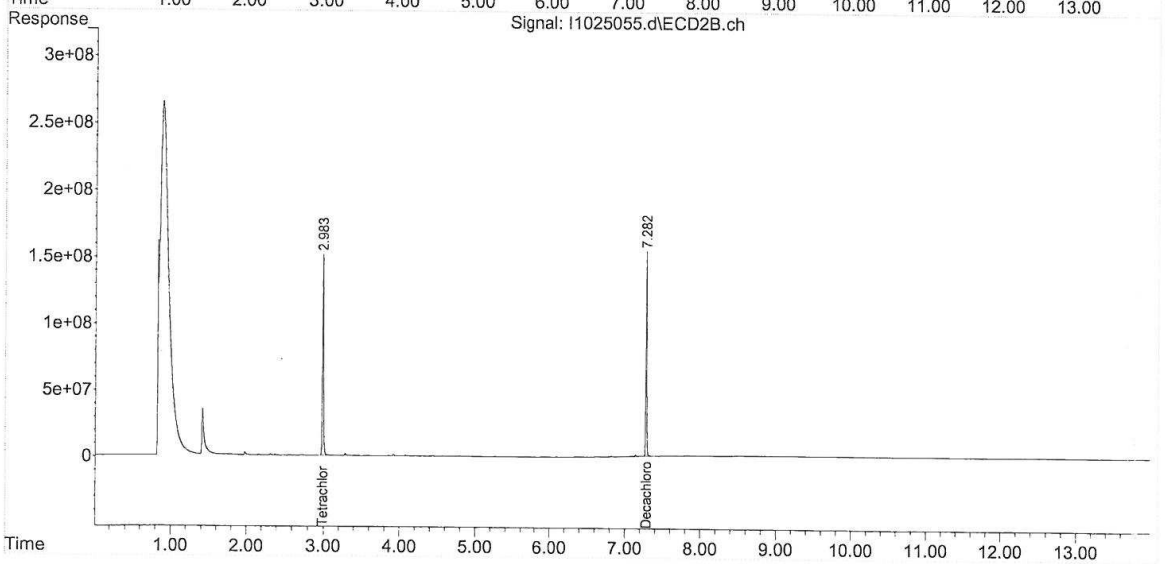
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025055.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 9:16 pm
Operator : JMB
Sample : 18J1227-20@4X TBA Inst : ECD 9
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:39:57 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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





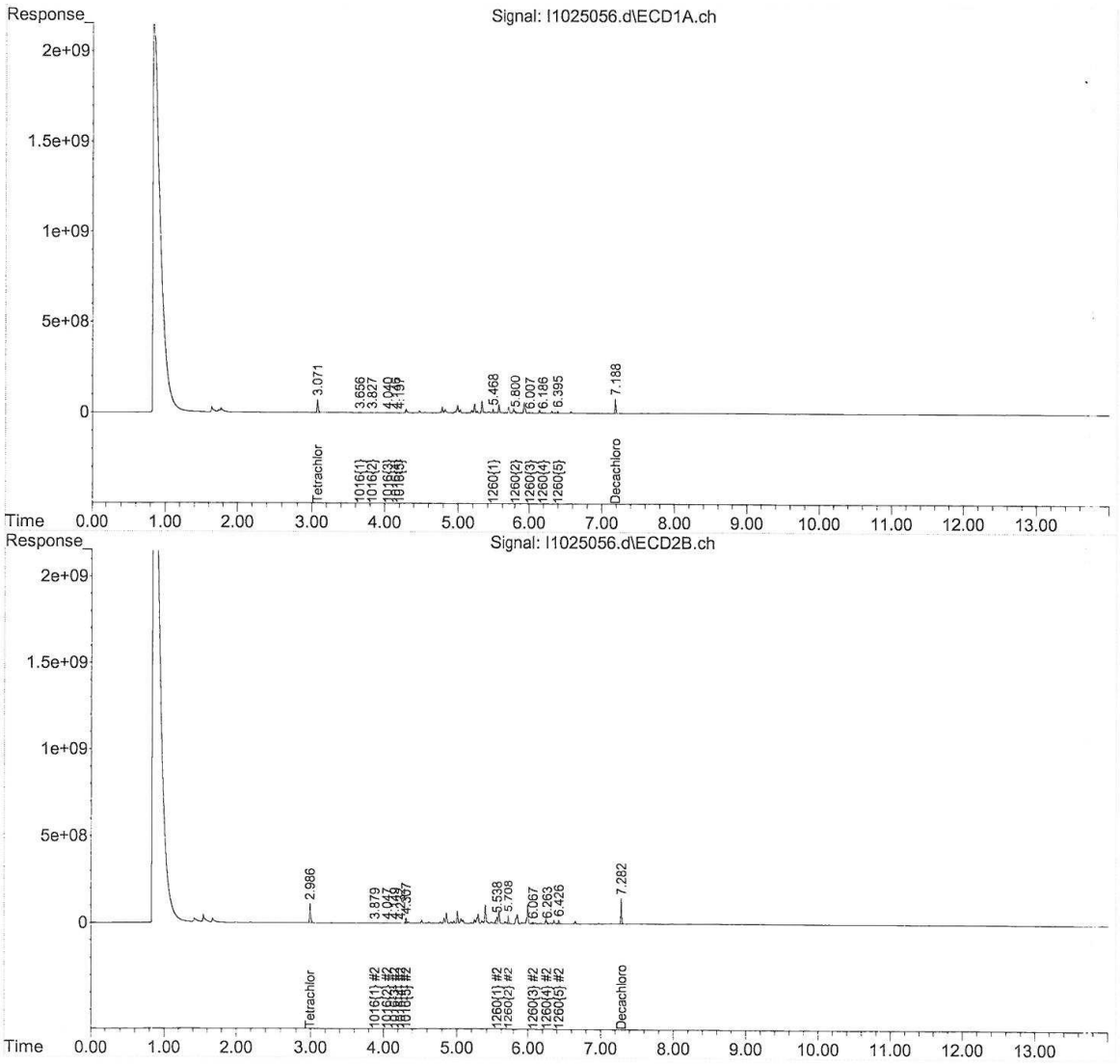
9-1260-101618.M Mon Oct 29 12:36:31 2018

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025056.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 9:33 pm
Operator : JMB
Sample : 18J1227-21@4X TBA Inst : ECD 9
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 05:47:11 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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



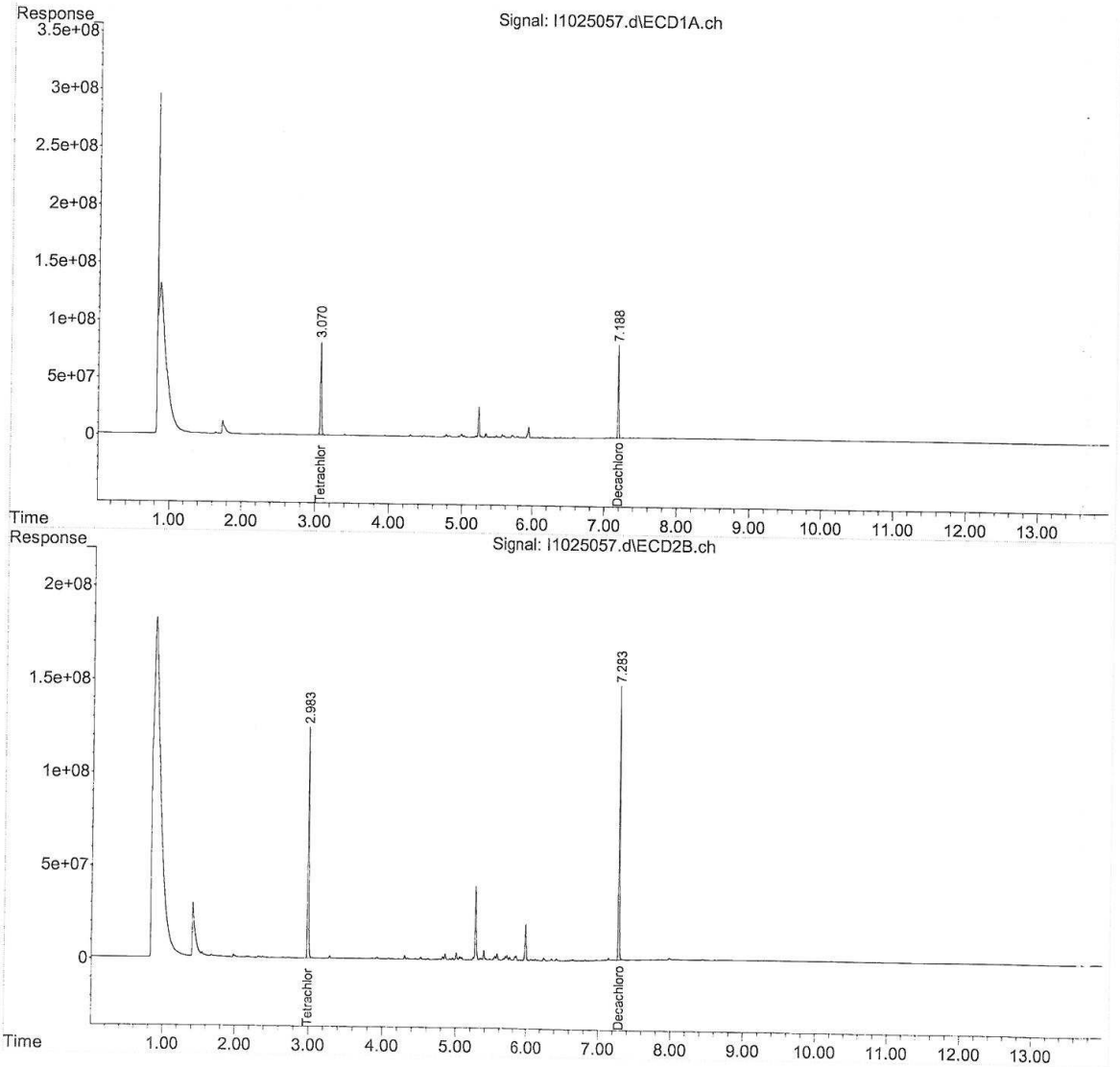
9-1260-101618.M Mon Oct 29 12:36:35 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025057.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 9:51 pm
Operator : JMB
Sample : 18J1227-22@4X TBA Inst : ECD 9
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:43:46 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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



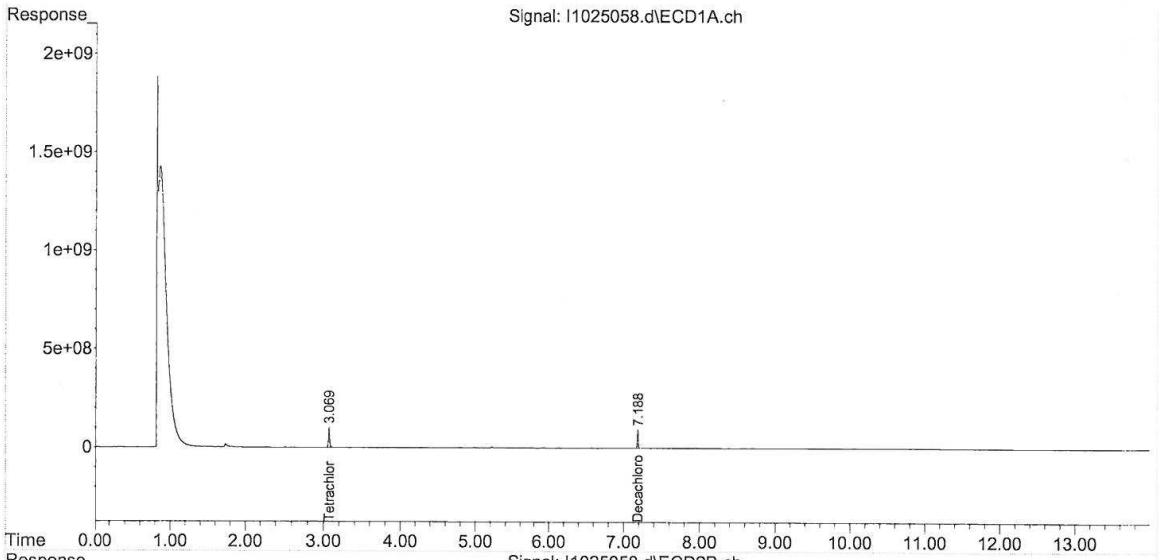
9-1260-101618.M Mon Oct 29 12:36:40 2018

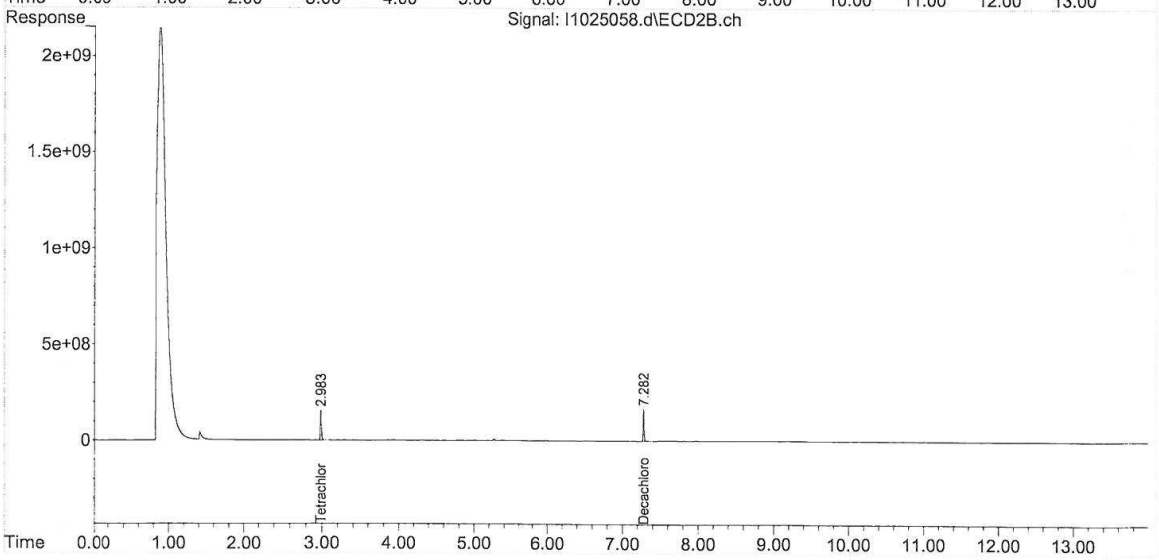
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025058.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 10:08 pm
Operator : JMB
Sample : 18J1227-23@4X TBA Inst : ECD 9
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:48:47 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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





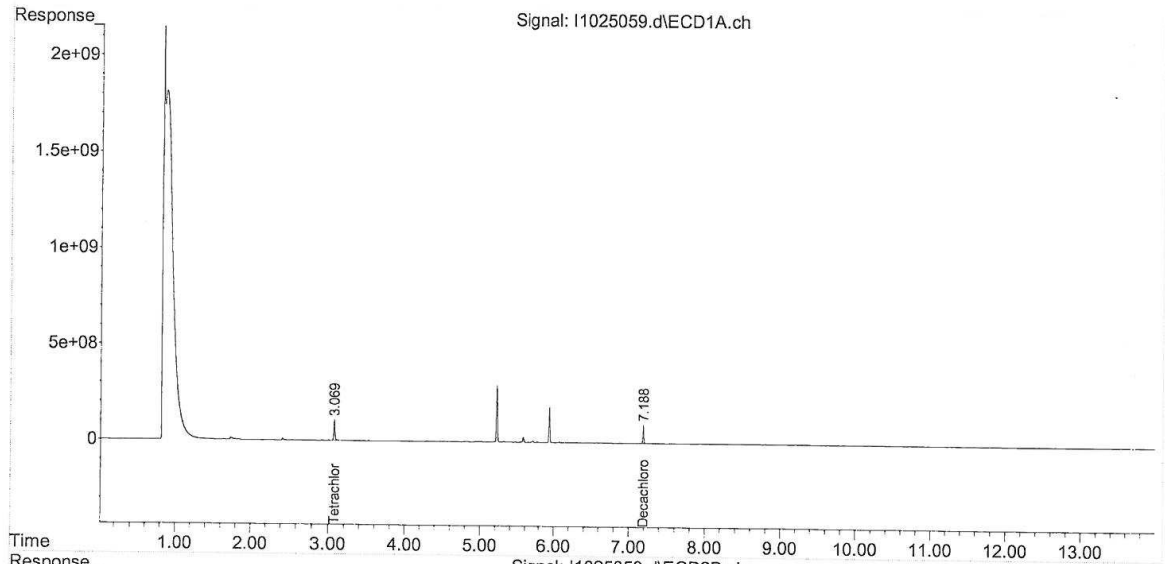
9-1260-101618.M Mon Oct 29 12:36:44 2018

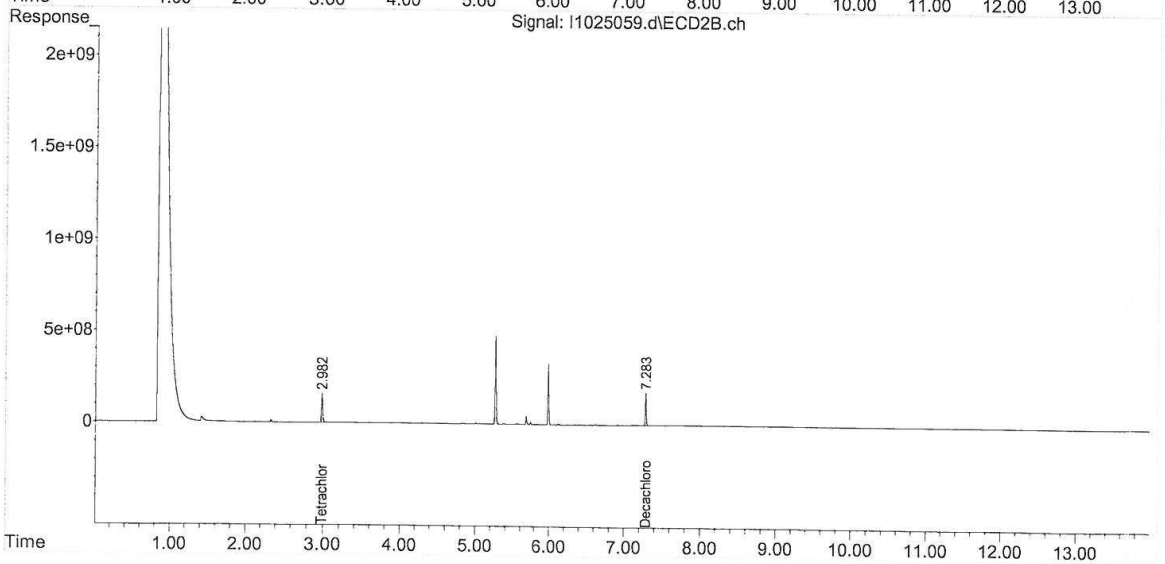
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025059.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 10:26 pm
Operator : JMB
Sample : 18J1227-24@4X TBA Inst : ECD 9
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:51:05 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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





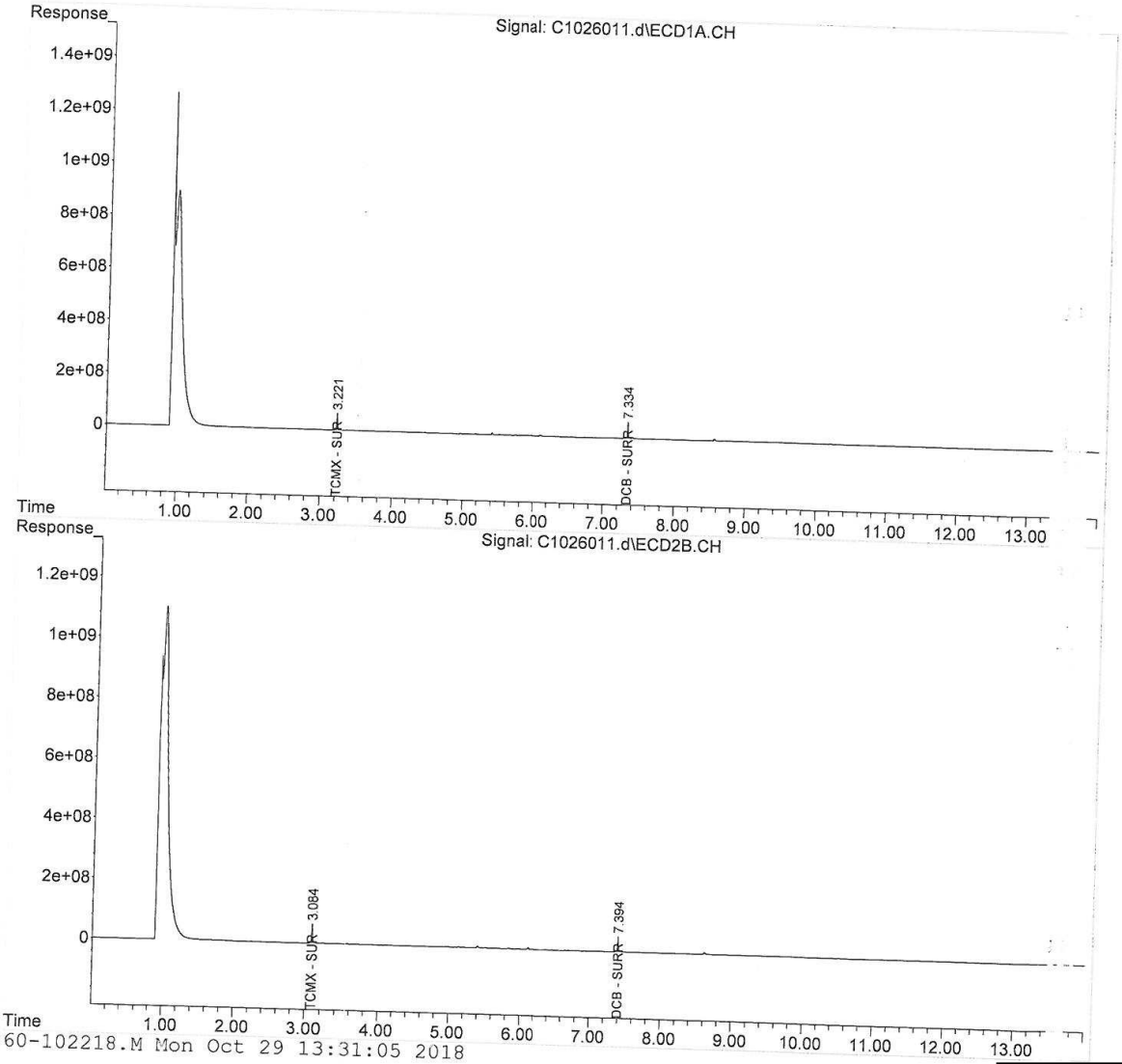
9-1260-101618.M Mon Oct 29 12:36:48 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026011.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 16:56 pm
Operator : JMB
Sample : 18J1227-01@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 11 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:21:02 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



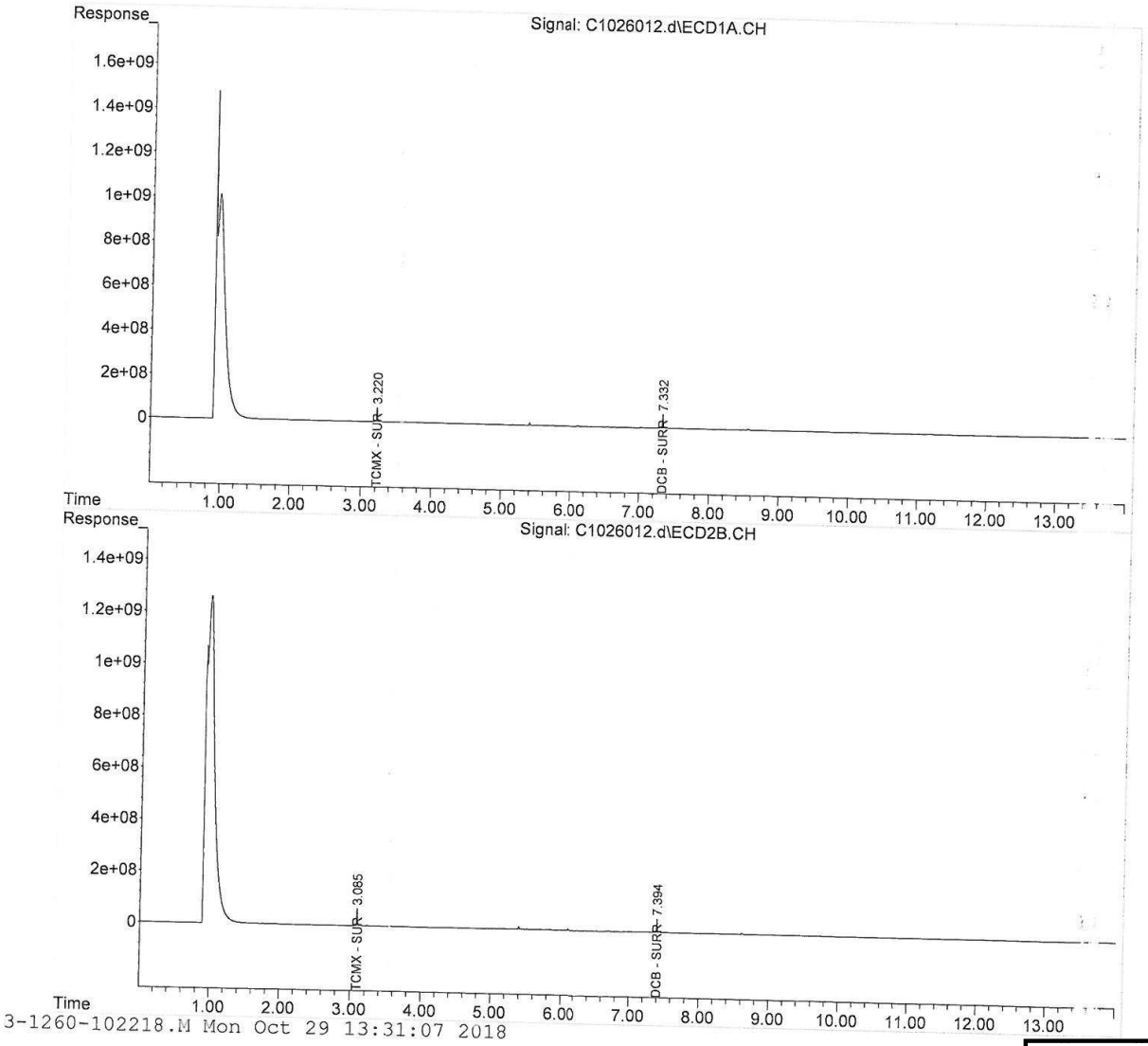
3-1260-102218.M Mon Oct 29 13:31:05 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026012.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 17:14 pm
Operator : JMB
Sample : 18J1227-02@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 12 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:23:18 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



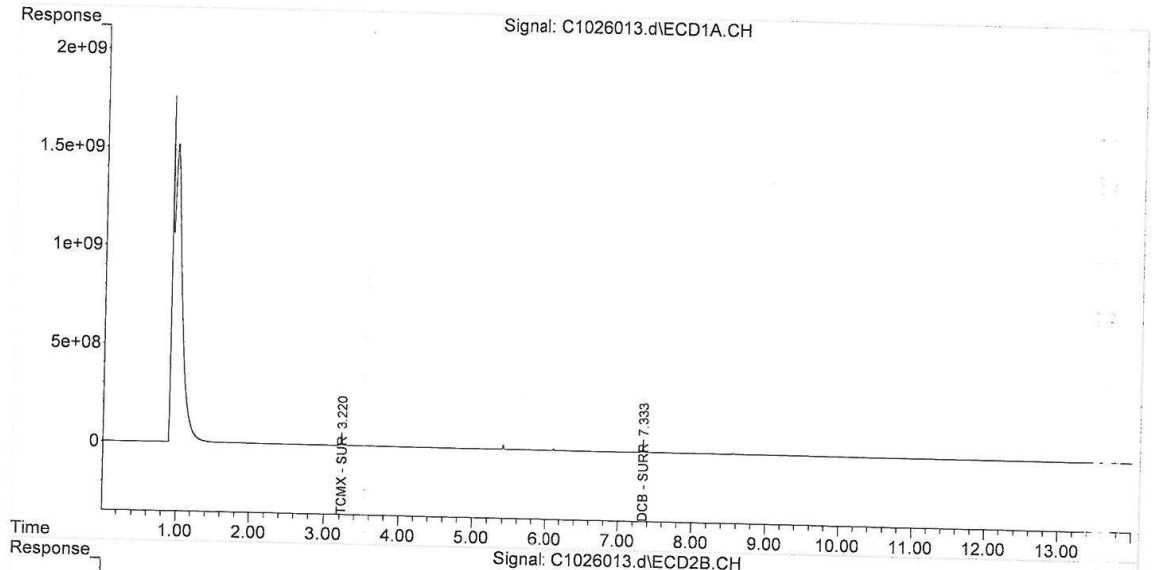
3-1260-102218.M Mon Oct 29 13:31:07 2018

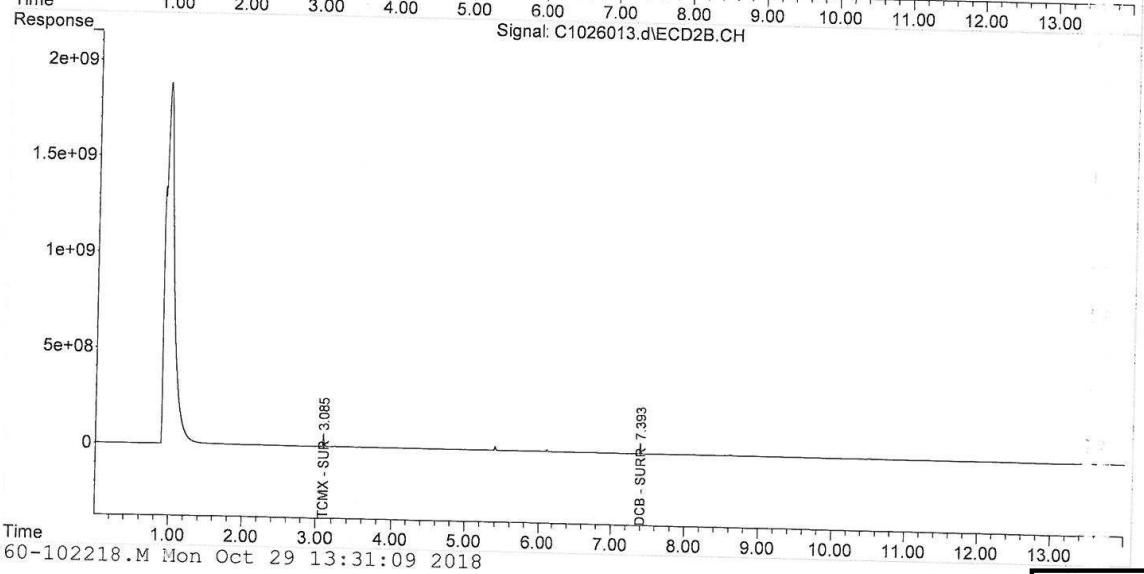
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026013.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 17:32 pm
Operator : JMB
Sample : 18J1227-03@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 13 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:27:20 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





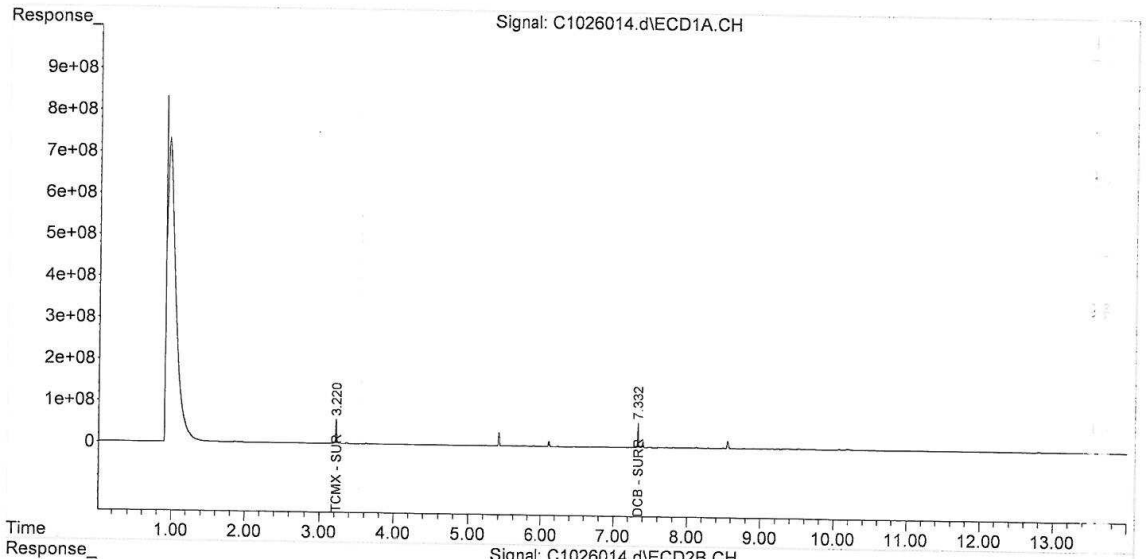
3-1260-102218.M Mon Oct 29 13:31:09 2018

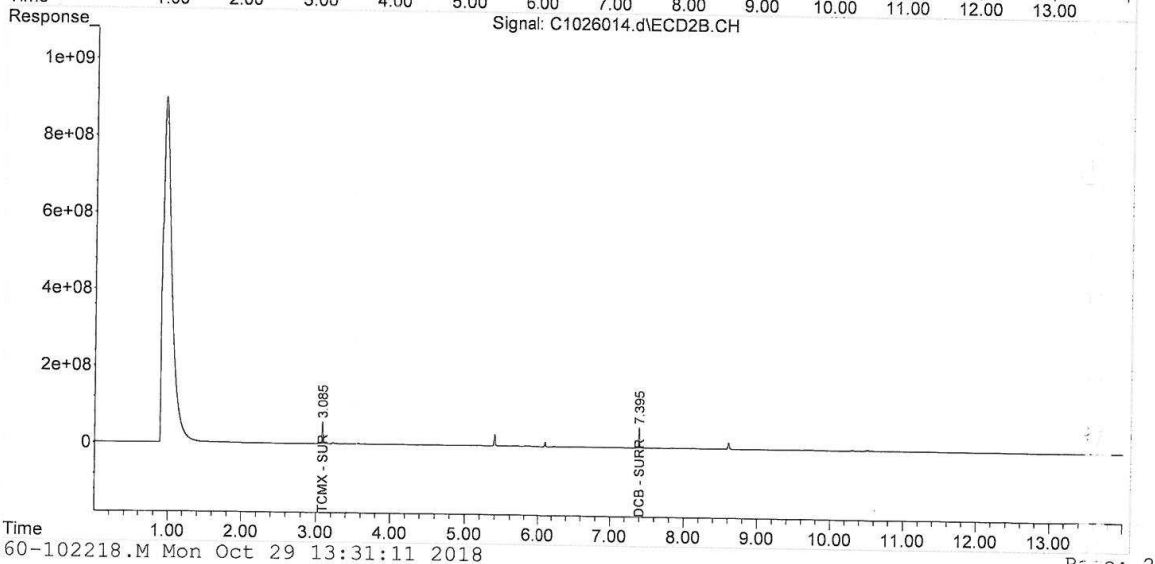
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026014.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 17:50 pm
Operator : JMB
Sample : 18J1227-04@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 14 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:29:13 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





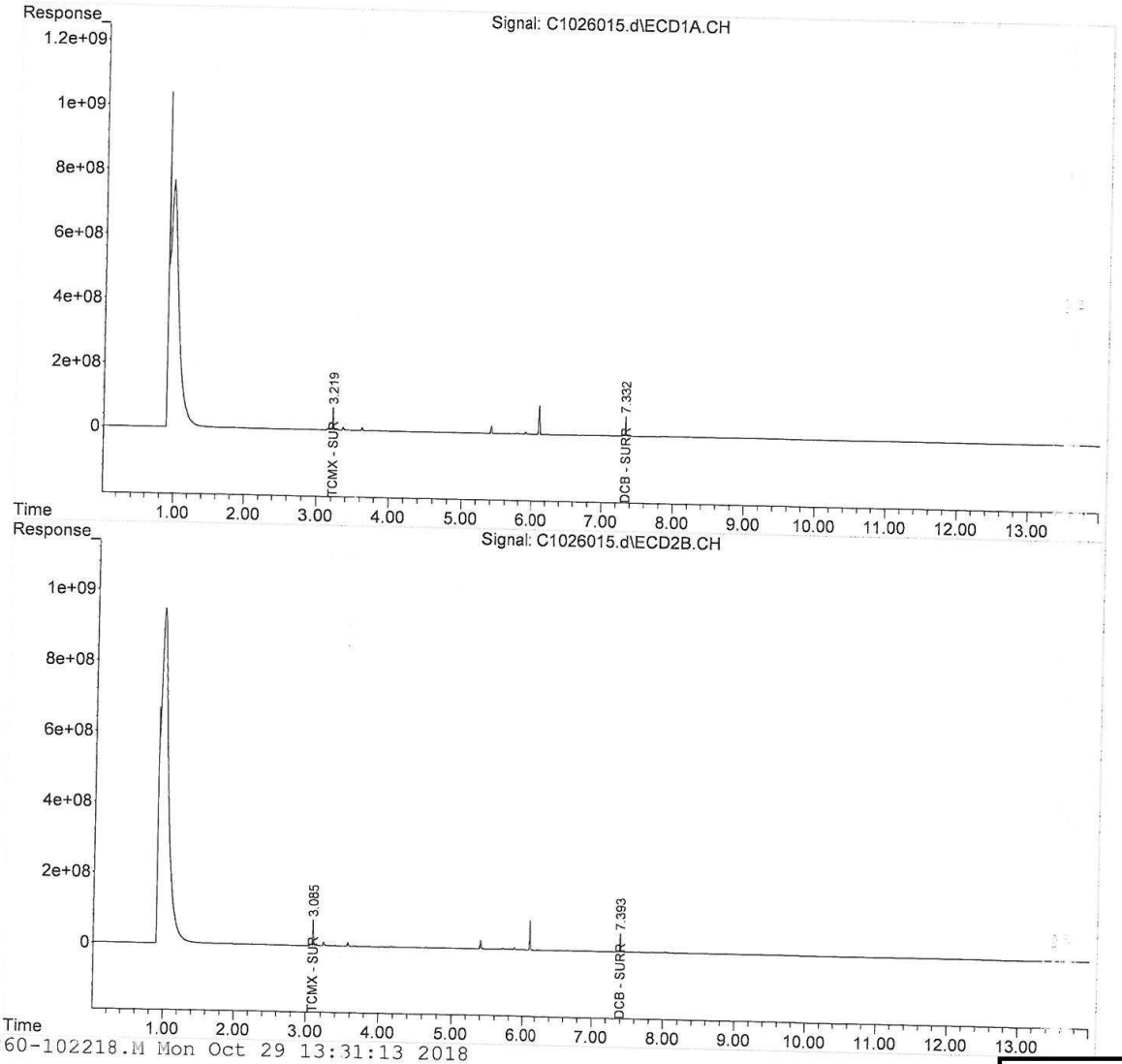
3-1260-102218.M Mon Oct 29 13:31:11 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026015.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 18:08 pm
Operator : JMB
Sample : 18J1227-05@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 15 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:30:45 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



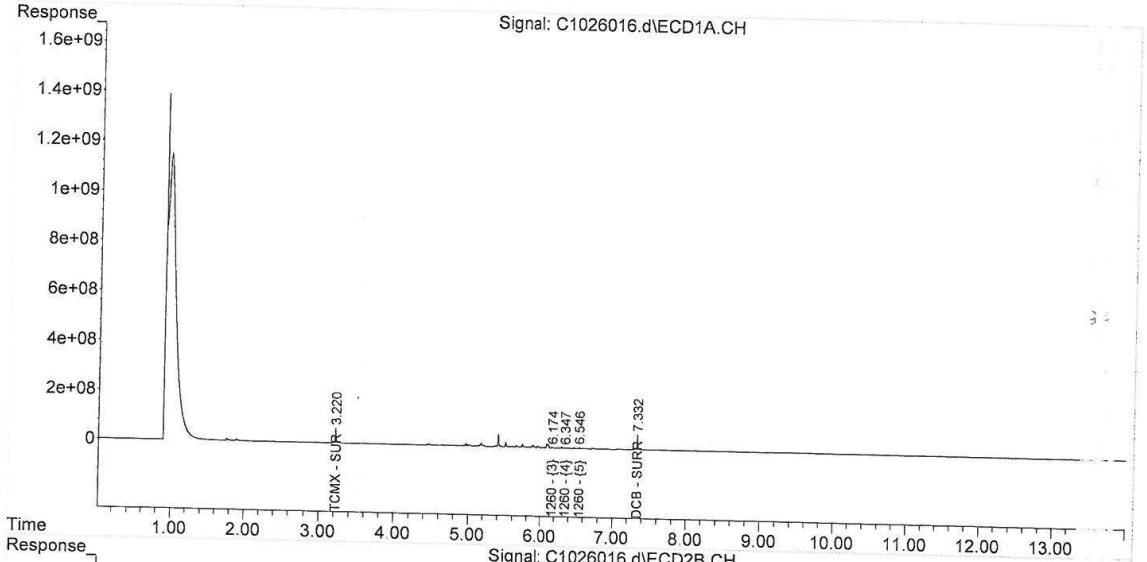
3-1260-102218.M Mon Oct 29 13:31:13 2018

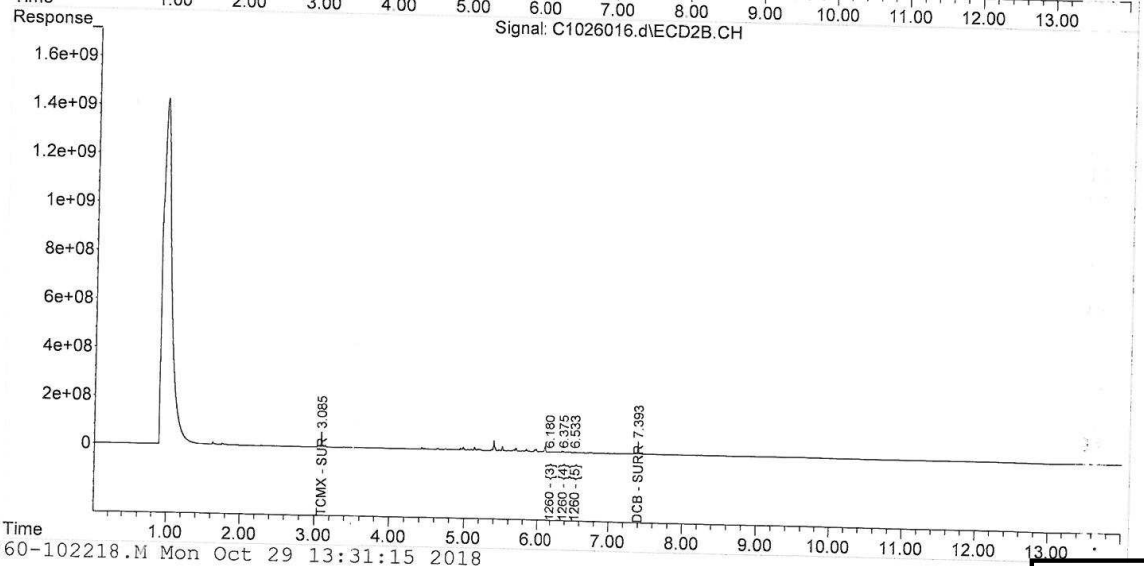
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026016.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 18:26 pm
Operator : JMB
Sample : 18J1227-06@4X TBA
Misc :
Inst : DUAL ECD3
ALS Vial : 16 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:42:55 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





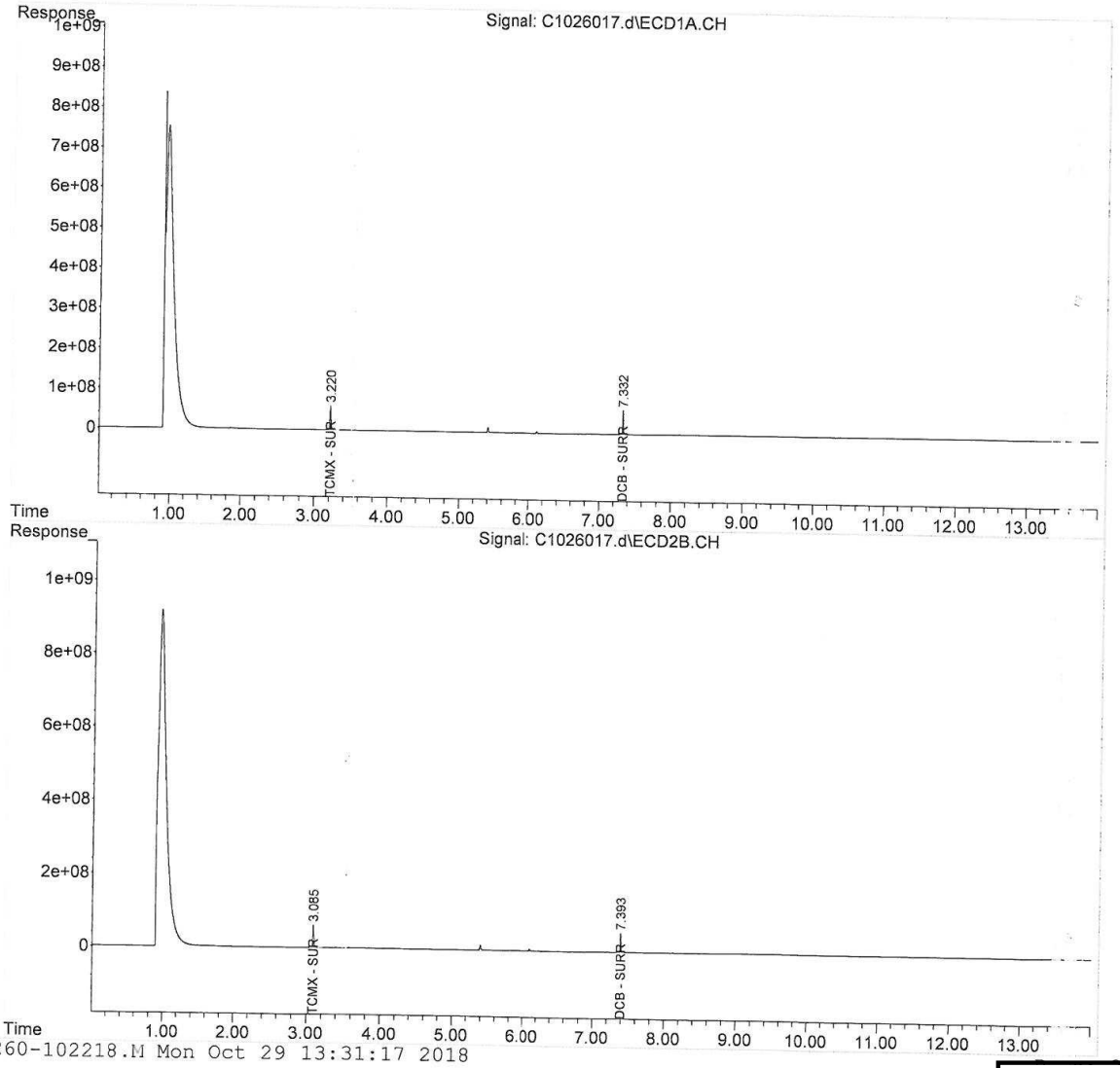
3-1260-102218.M Mon Oct 29 13:31:15 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026017.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 18:44 pm
Operator : JMB
Sample : 18J1227-07@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 17 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:44:43 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



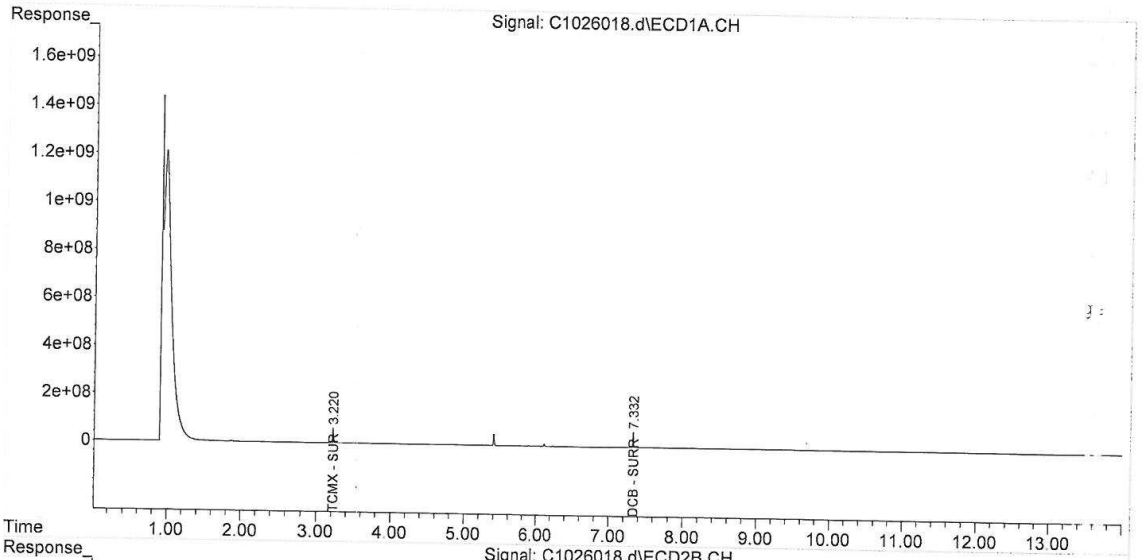
3-1260-102218.M Mon Oct 29 13:31:17 2018

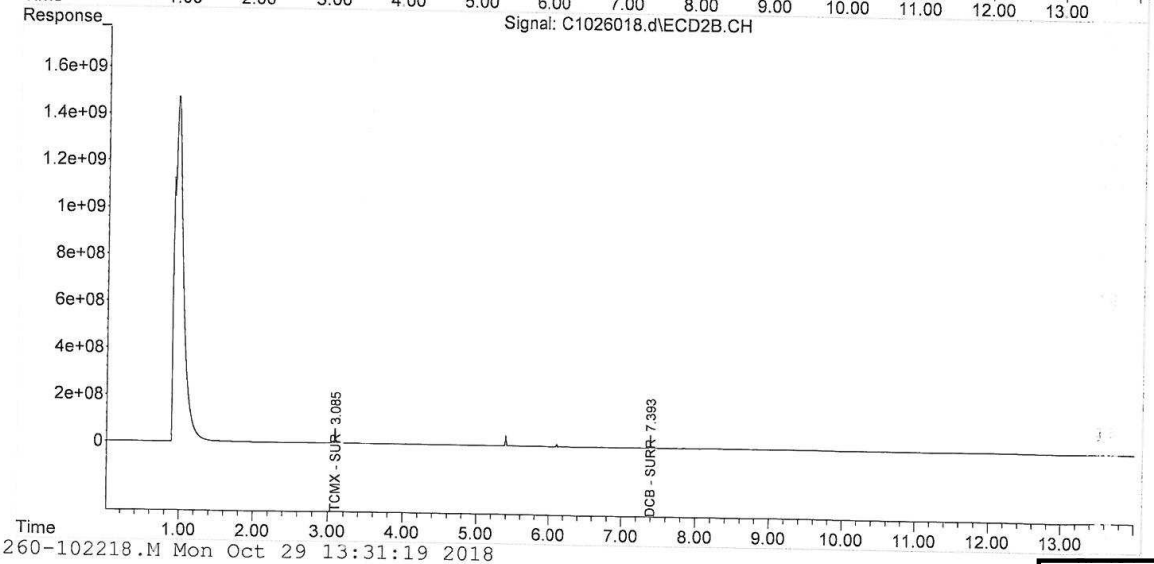
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026018.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 19:02 pm
Operator : JMB
Sample : 18J1227-08@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 18 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:45:16 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





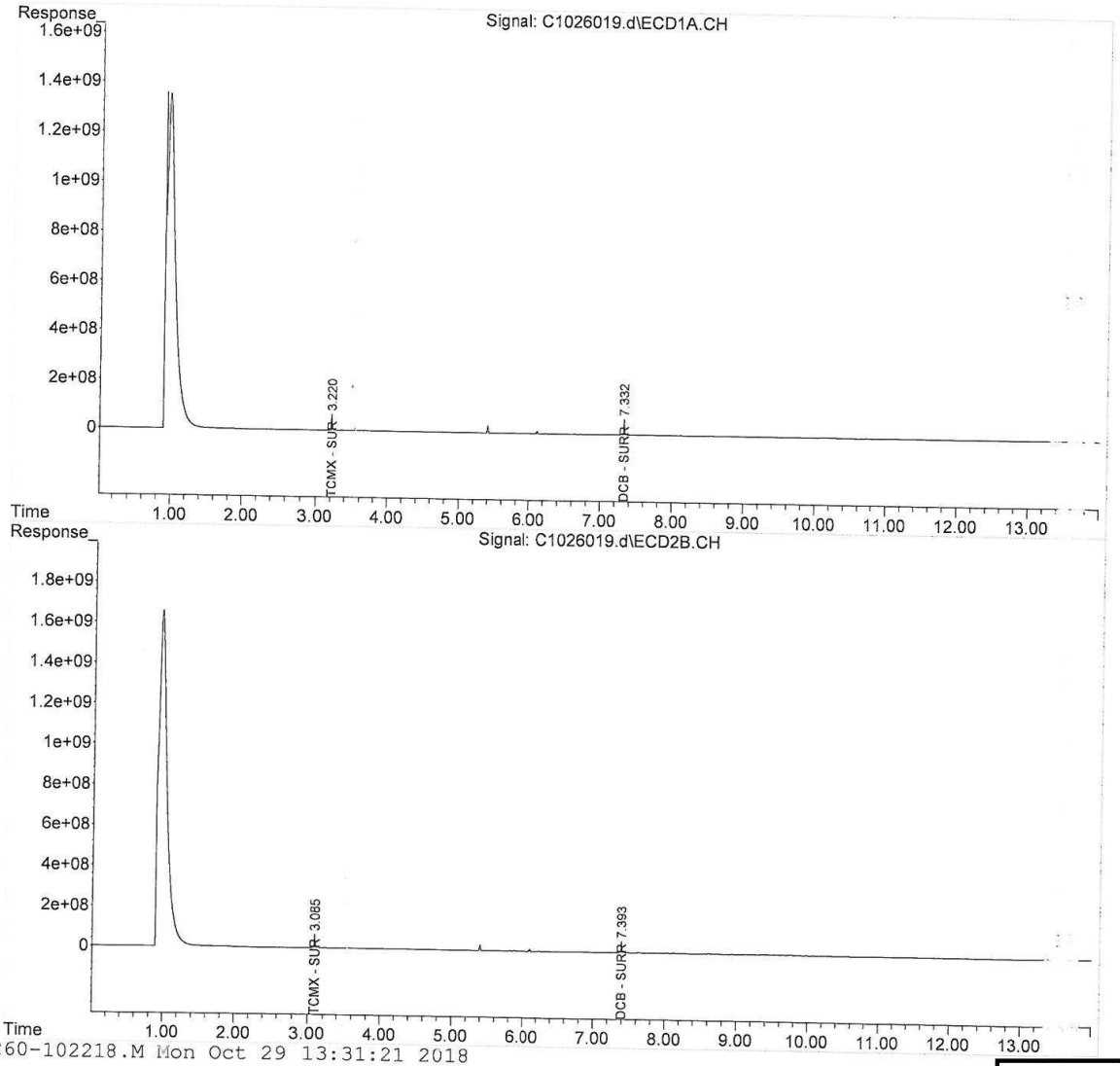
3-1260-102218.M Mon Oct 29 13:31:19 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026019.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 19:20 pm
Operator : JMB
Sample : 18J1227-09@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 19 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:45:54 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



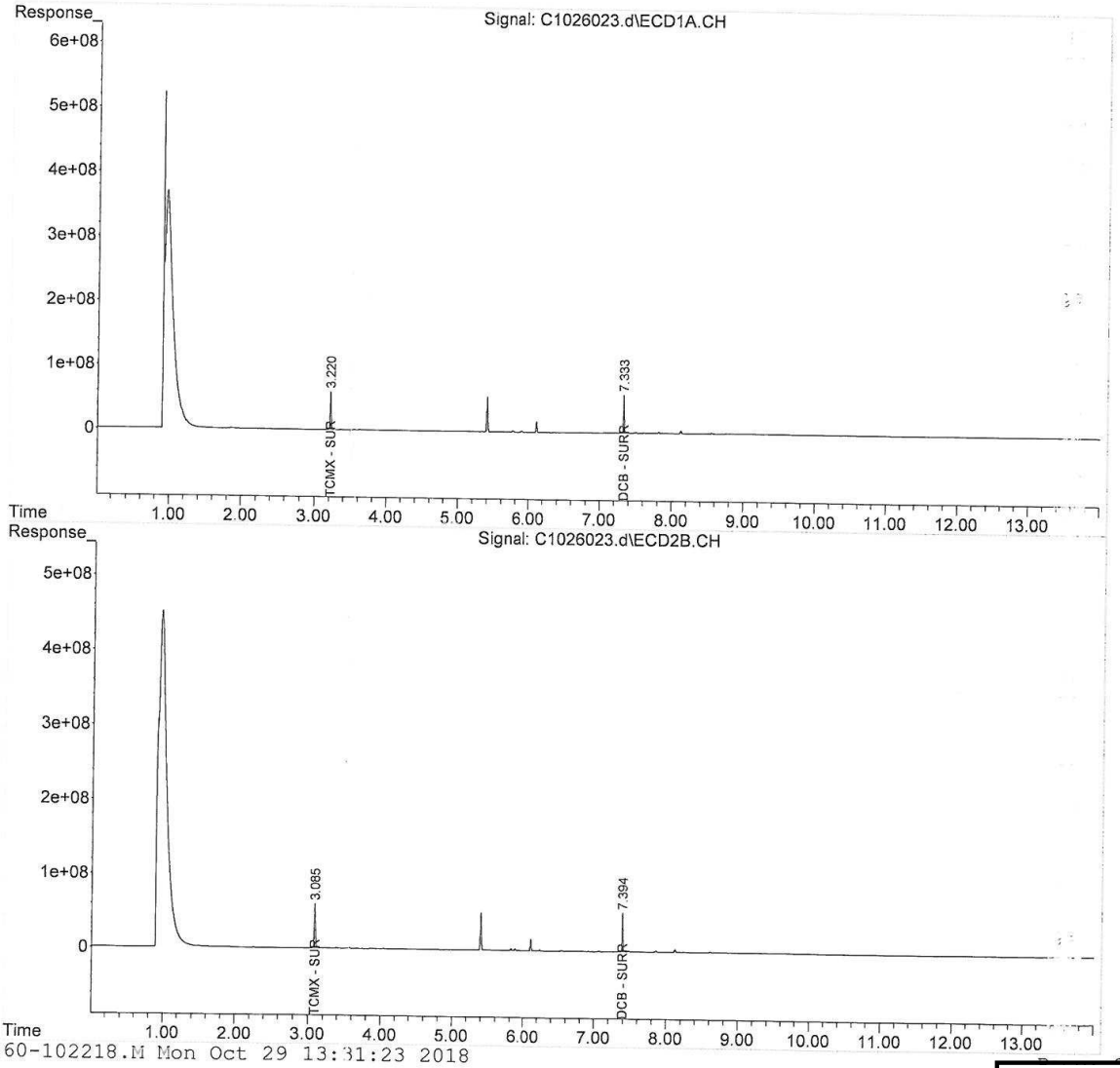
3-1260-102218.M Mon Oct 29 13:31:21 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026023.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 20:26 pm
Operator : JMB
Sample : 18J1227-10@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 23 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:48:15 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



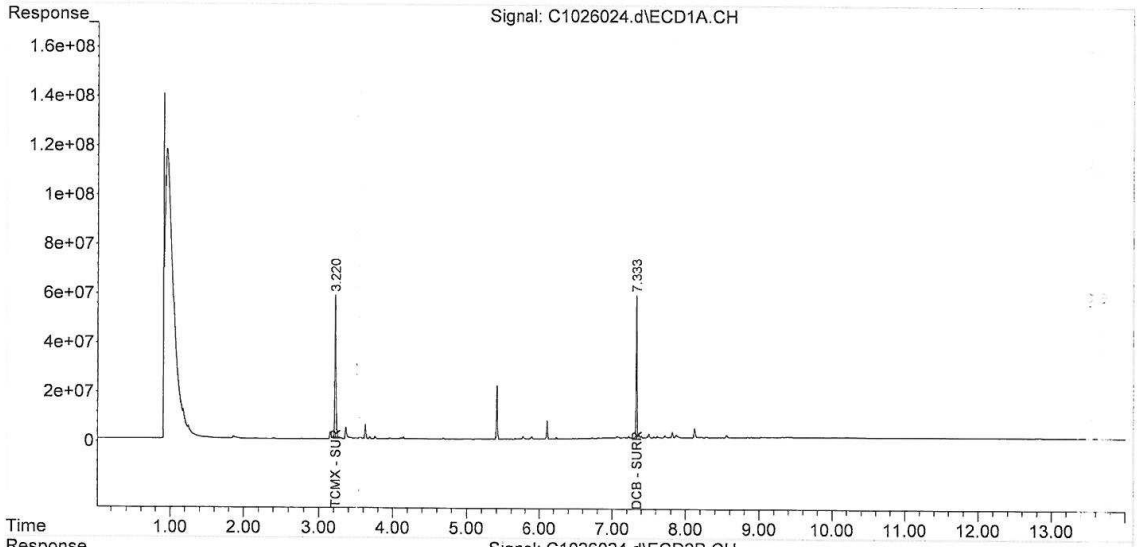
3-1260-102218.M Mon Oct 29 13:31:23 2018

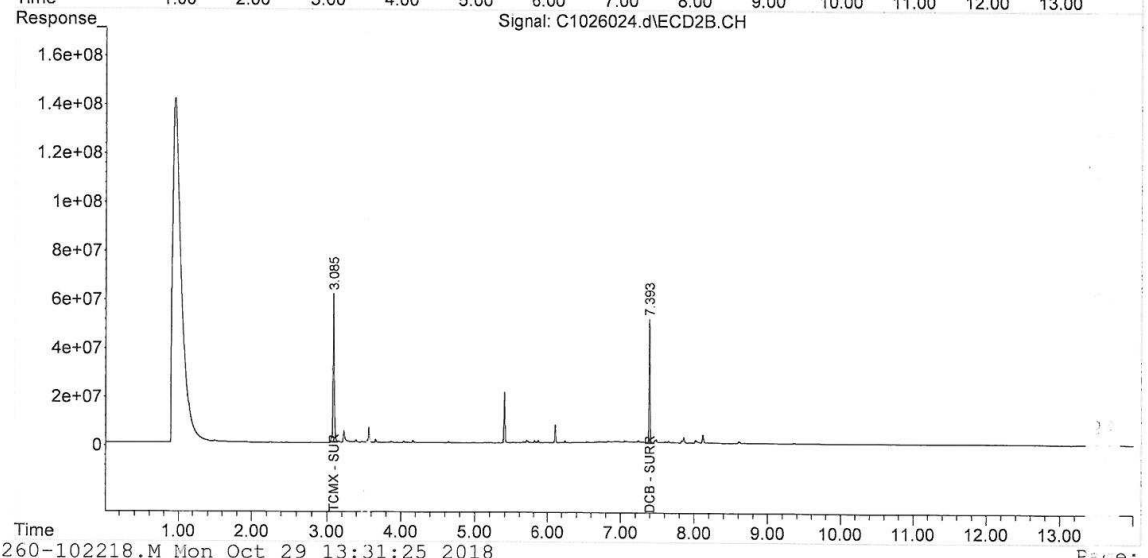
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026024.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 20:44 pm
Operator : JMB
Sample : 18J1227-11@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 24 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:48:39 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





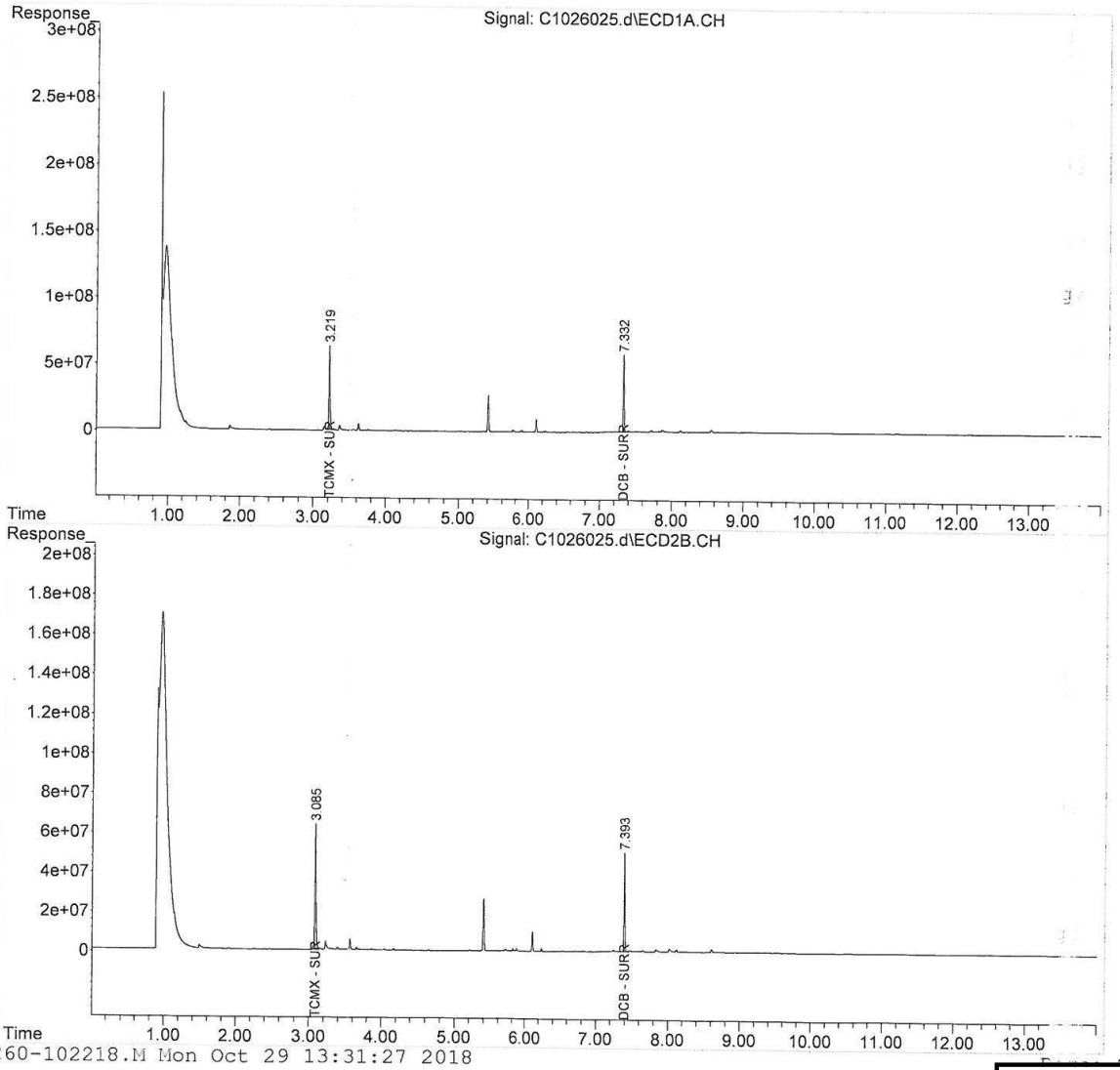
3-1260-102218.M Mon Oct 29 13:31:25 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026025.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:02 pm
Operator : JMB
Sample : 18J1227-12@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 25 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:49:17 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



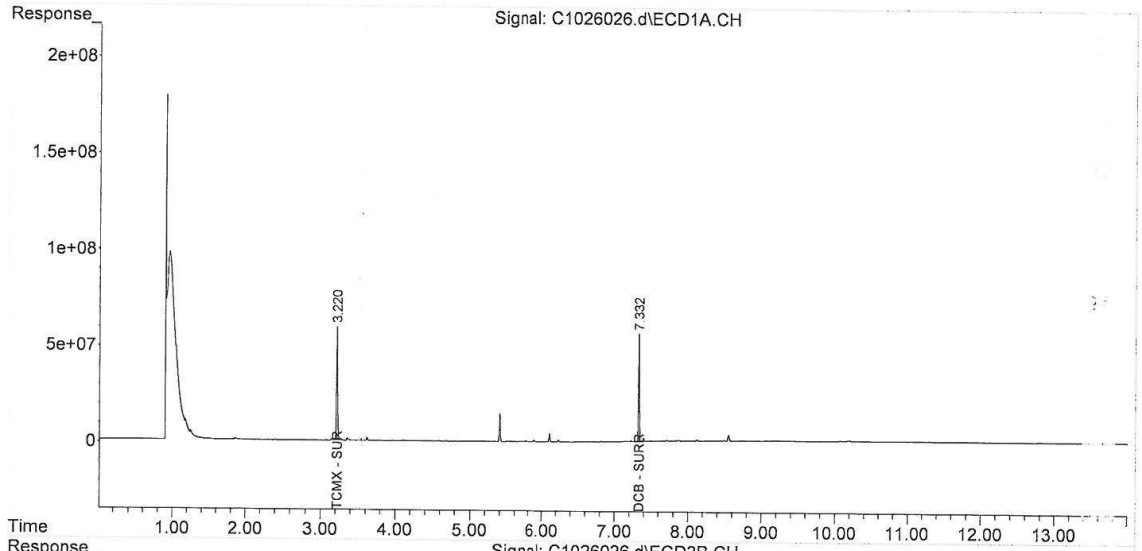
3-1260-102218.M Mon Oct 29 13:31:27 2018

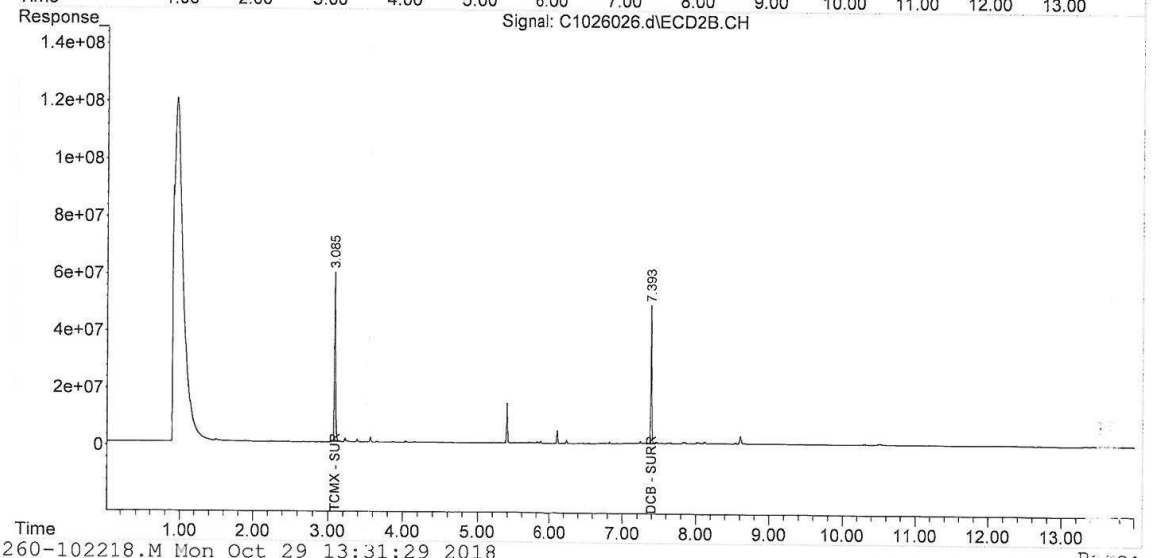
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026026.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:20 pm
Operator : JMB
Sample : 18J1227-13@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 26 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:49:32 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





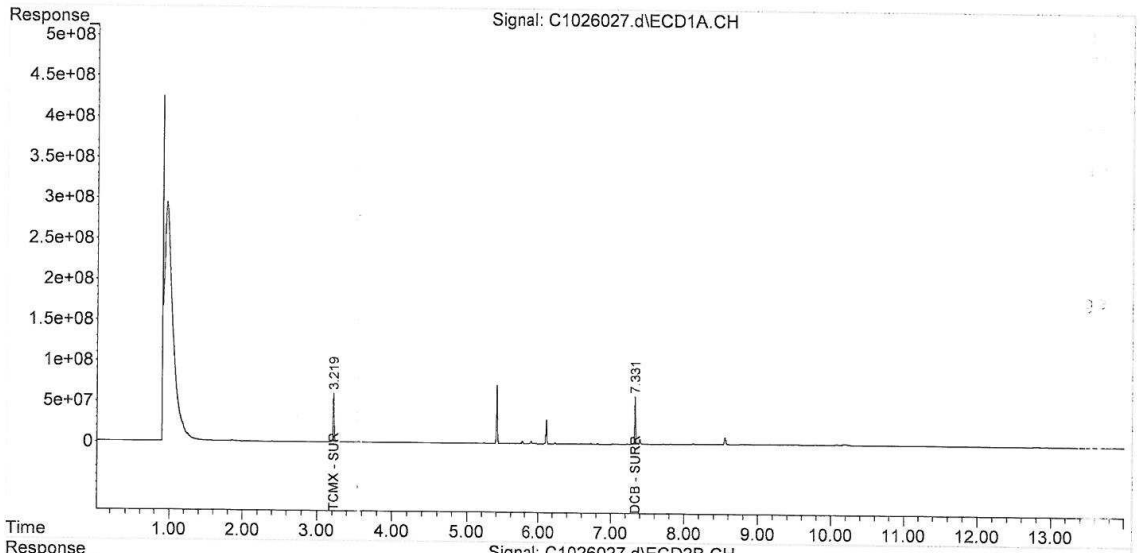
3-1260-102218.M Mon Oct 29 13:31:29 2018 Page: 2

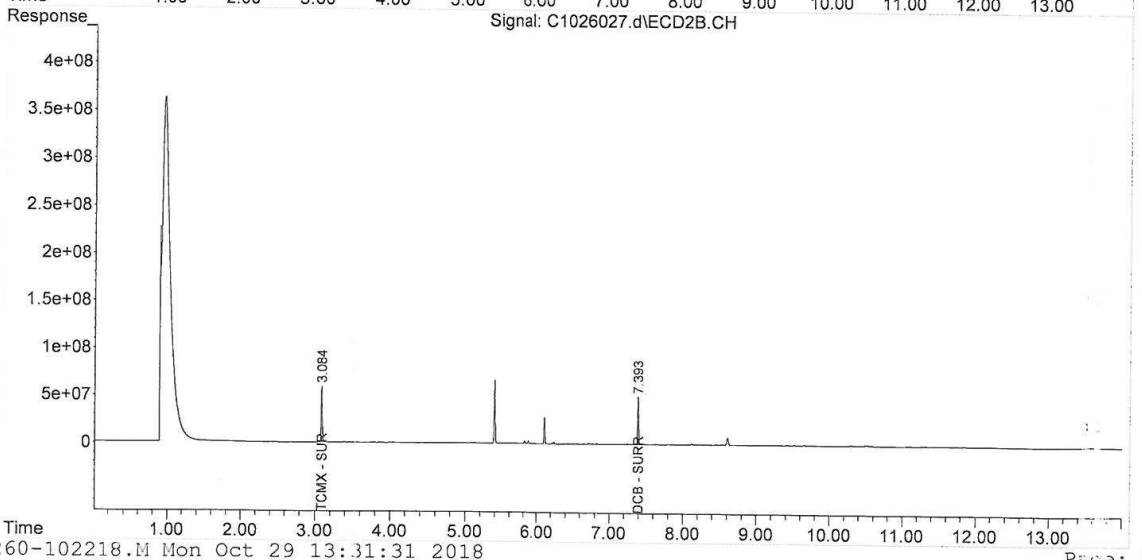
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026027.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:38 pm
Operator : JMB
Sample : 18J1227-14@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 27 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:50:01 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





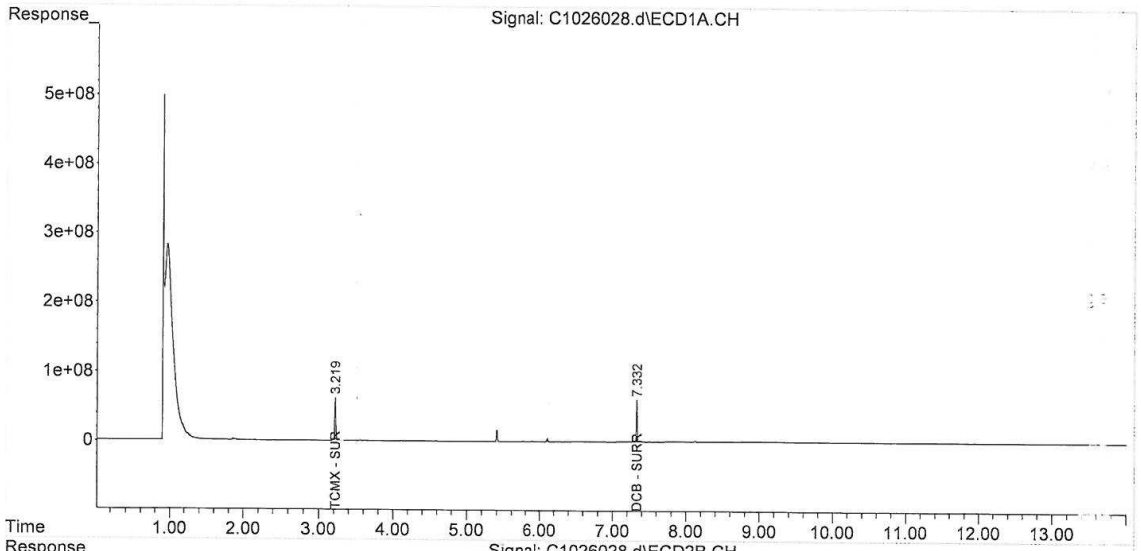
3-1260-102218.M Mon Oct 29 13:31:31 2018

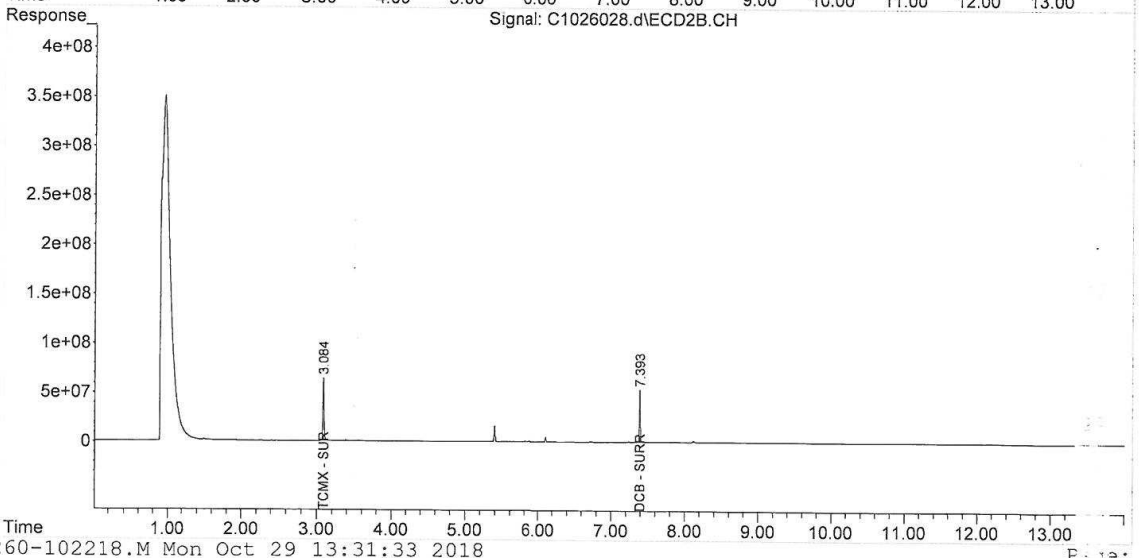
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026028.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 21:56 pm
Operator : JMB
Sample : 18J1227-15@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 28 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:50:21 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





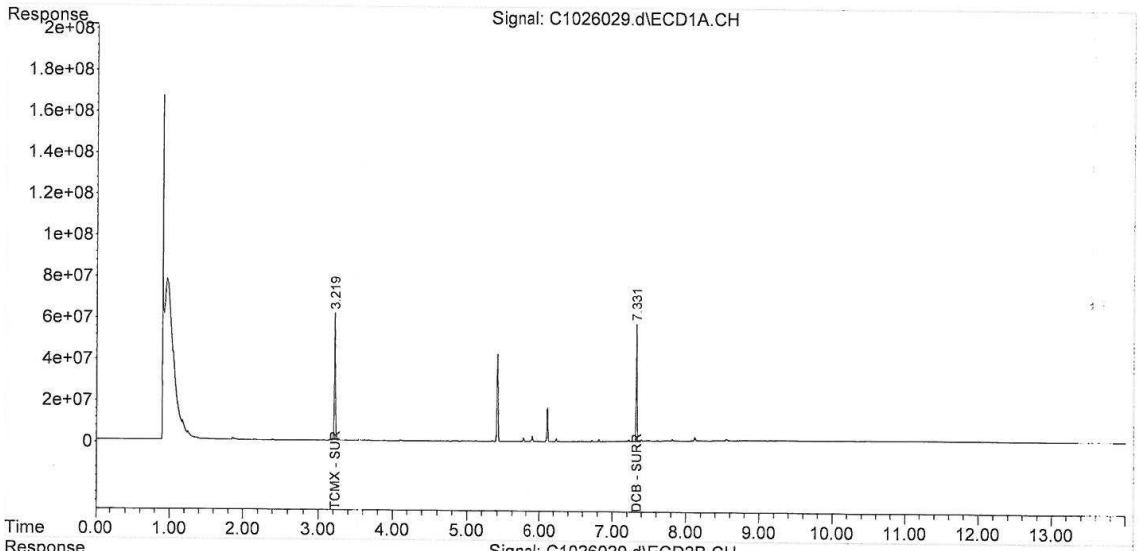
3-1260-102218.M Mon Oct 29 13:31:33 2018 Page: 2

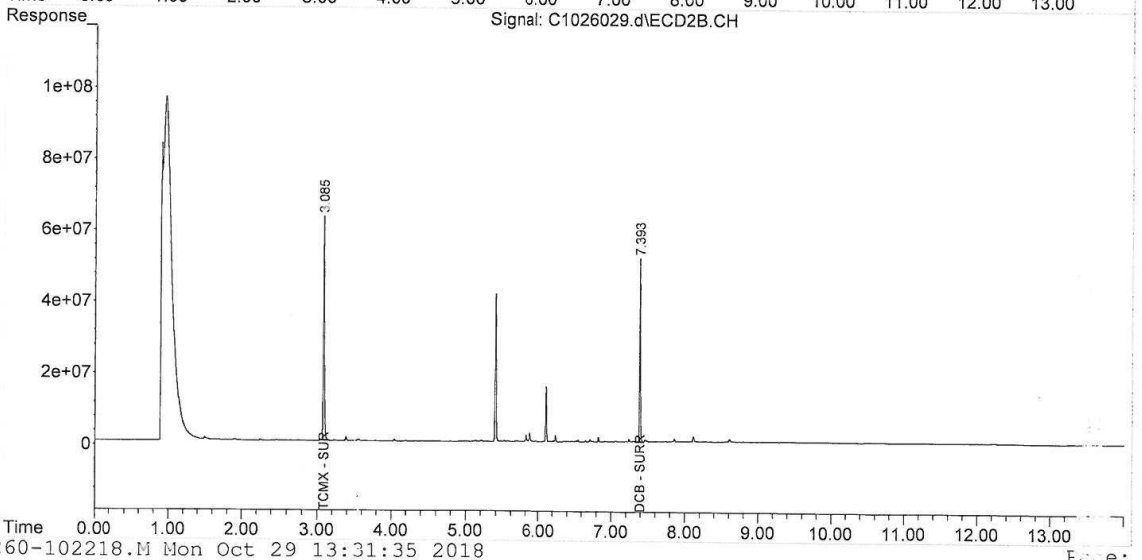
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026029.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 22:14 pm
Operator : JMB
Sample : 18J1227-16@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 29 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:50:38 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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





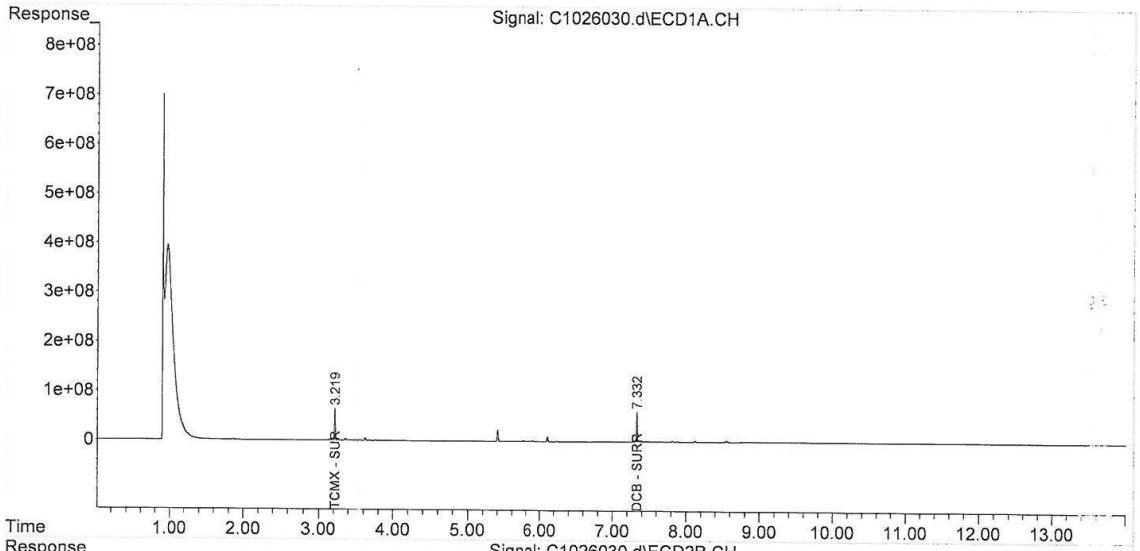
3-1260-102218.M Mon Oct 29 13:31:35 2018 Page: 2

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102618\
Data File : C1026030.d
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 26 Oct 2018 22:32 pm
Operator : JMB
Sample : 18J1227-17@4X TBA Inst : DUAL ECD3
Misc :
ALS Vial : 30 (Sig #1); 0 (Sig #2) Sample Multiplier: 1

Integration File signal 1: FRONT-1016.E
Integration File signal 2: 1016-BACK.E
Quant Time: Oct 27 10:51:18 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\3-1260-102218.M
Quant Title : 1260/1016 10/18/18 09/07/18 ICAL 1800338
QLast Update : Fri Oct 19 08:56:49 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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



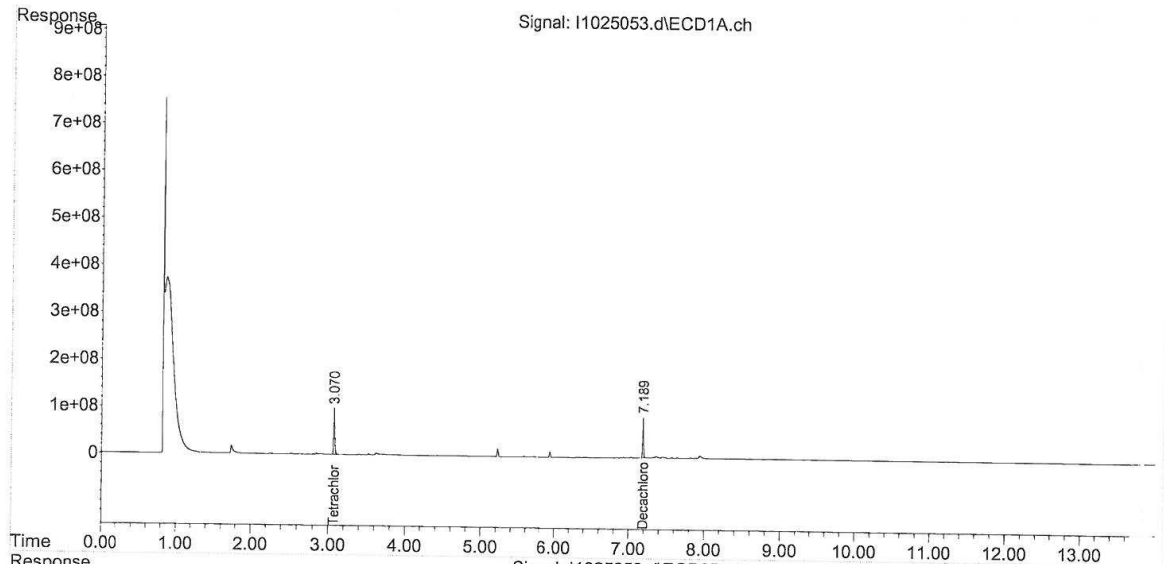
3-1260-102218.M Mon Oct 29 13:31:37 2018 Page: 2

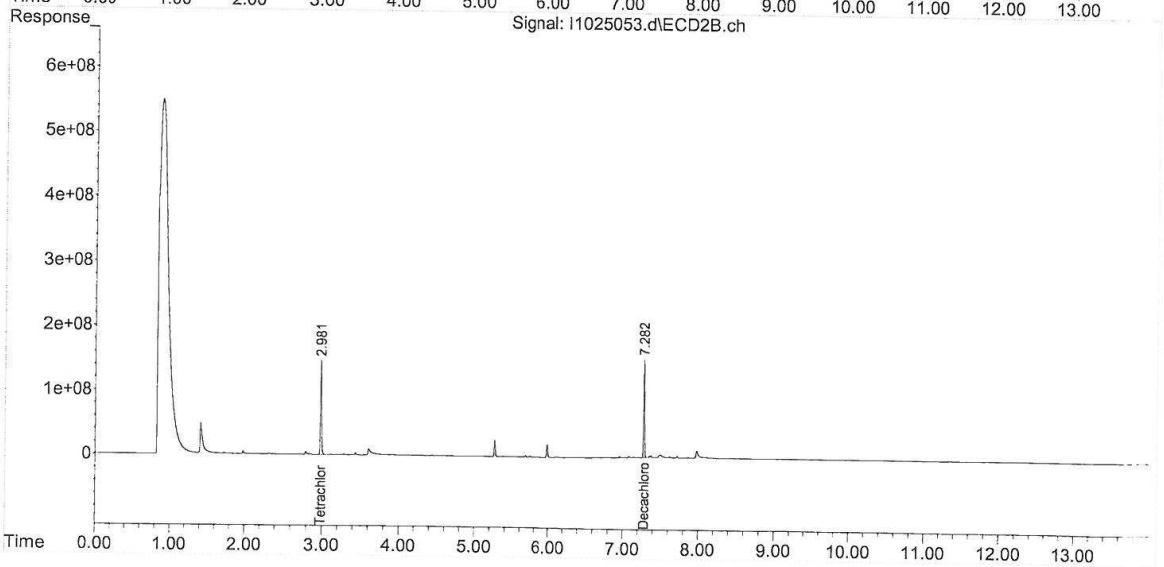
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025053.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 8:41 pm
Operator : JMB
Sample : 18J1227-18@4X TBA Inst : ECD 9
Misc :
ALS Vial : 53 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:38:46 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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





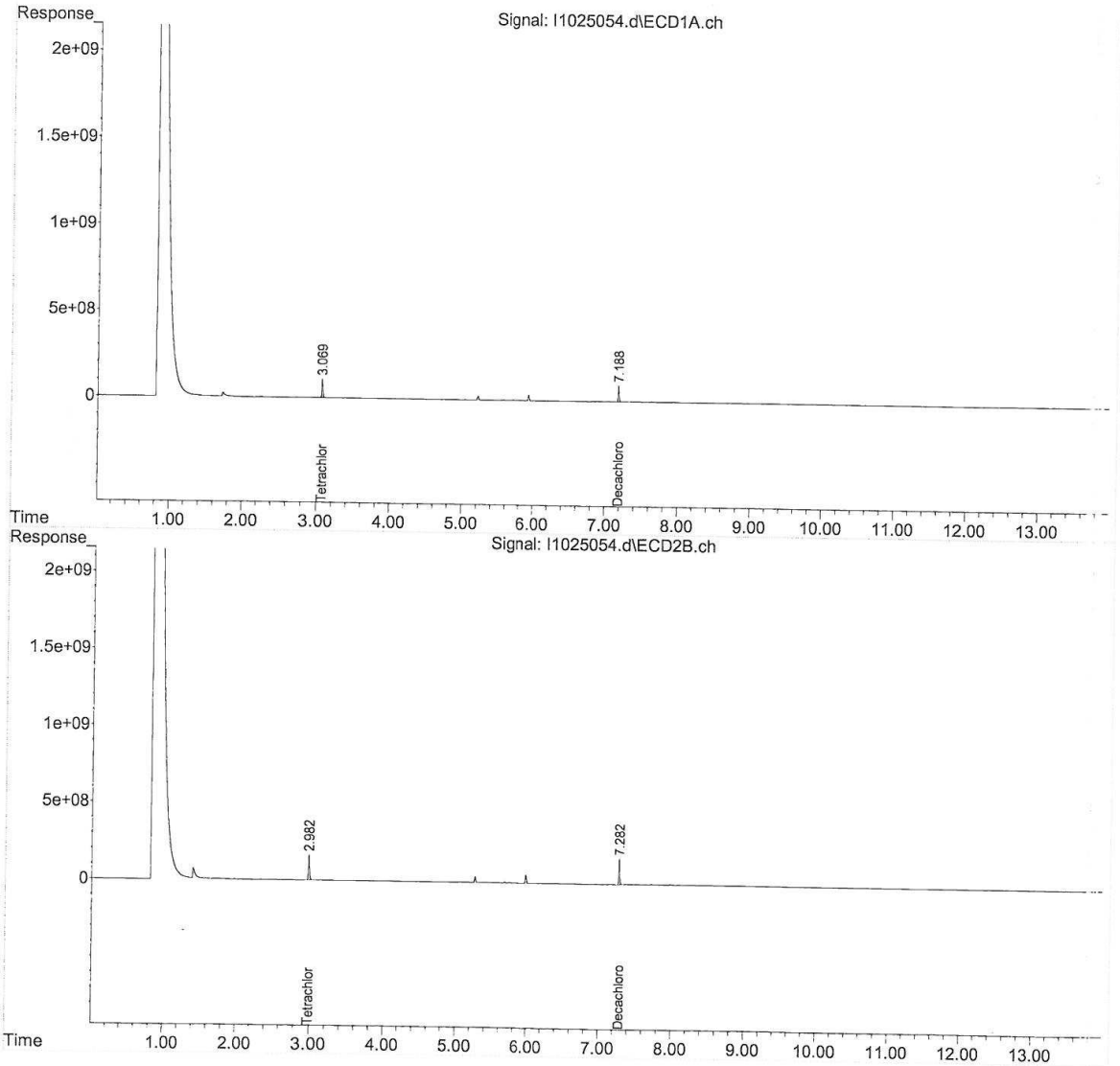
9-1260-101618.M Mon Oct 29 12:36:23 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025054.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 8:58 pm
Operator : JMB
Sample : 18J1227-19@4X TBA Inst : ECD 9
Misc :
ALS Vial : 54 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:39:21 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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



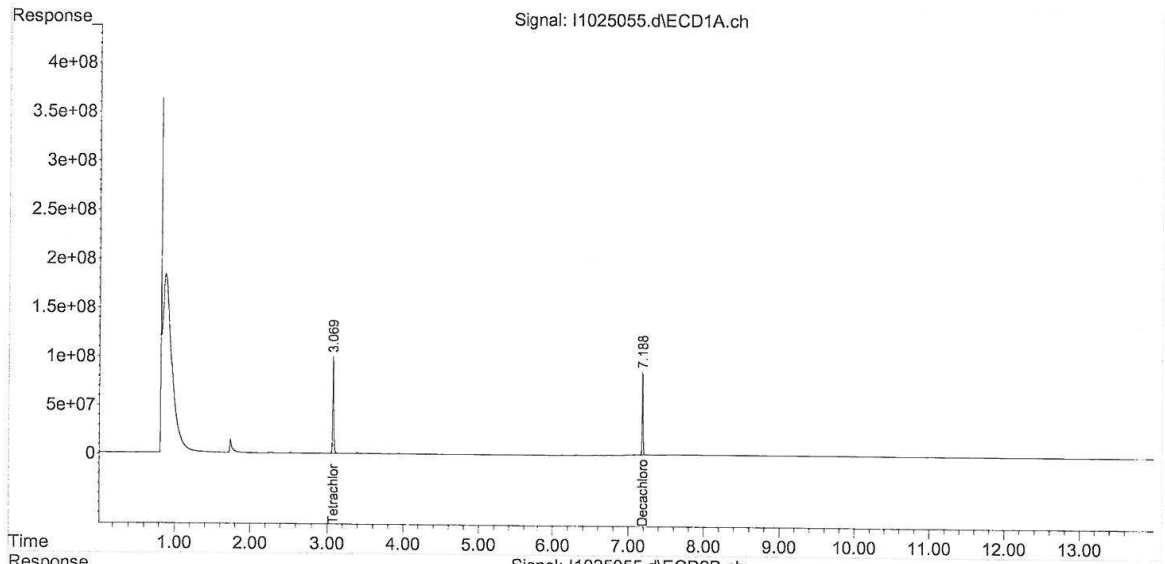
9-1260-101618.M Mon Oct 29 12:36:27 2018

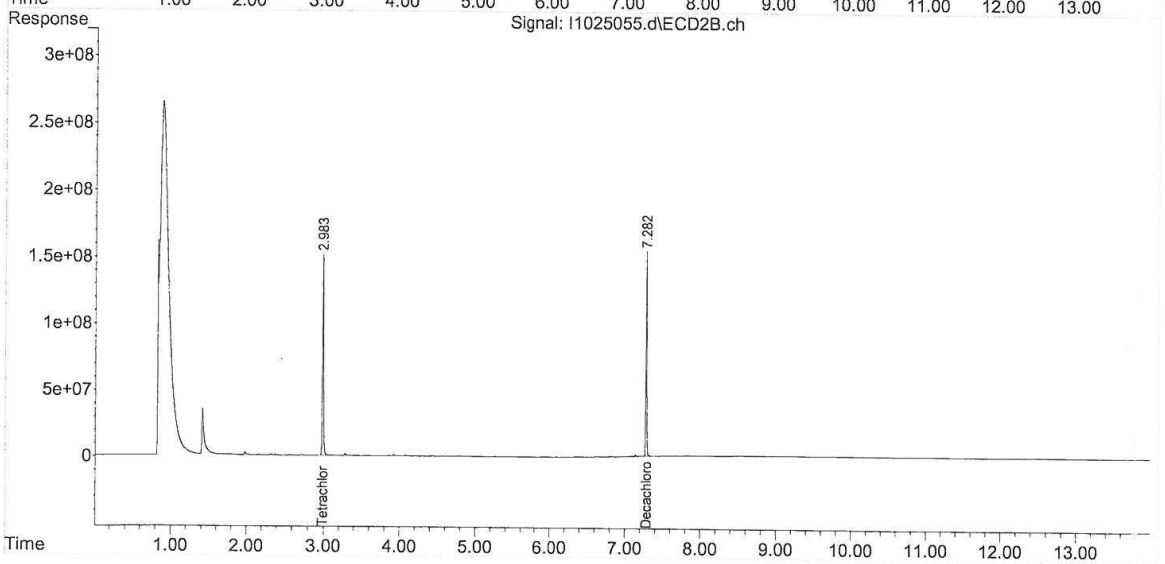
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025055.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 9:16 pm
Operator : JMB
Sample : 18J1227-20@4X TBA Inst : ECD 9
Misc :
ALS Vial : 55 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:39:57 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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





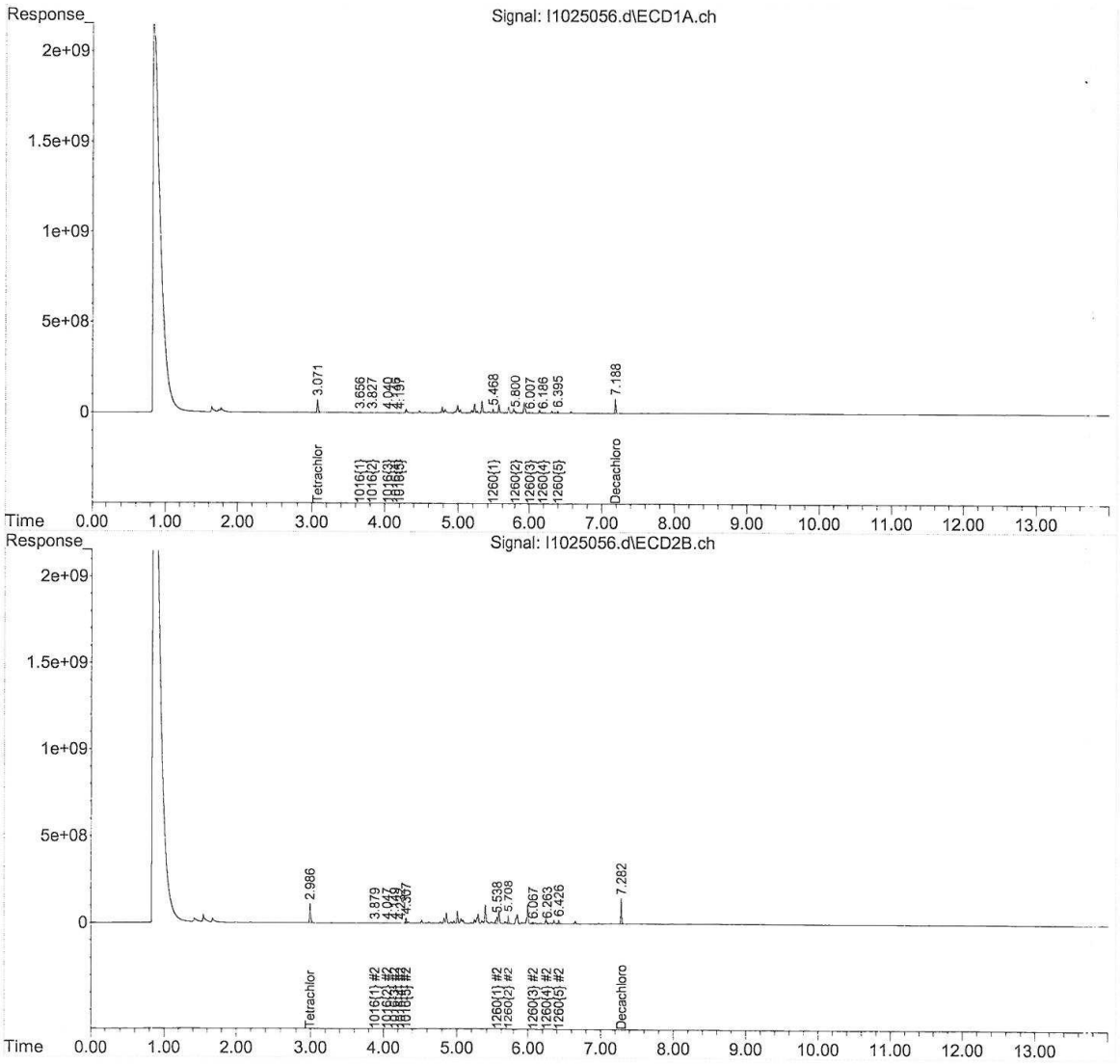
9-1260-101618.M Mon Oct 29 12:36:31 2018

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025056.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 9:33 pm
Operator : JMB
Sample : 18J1227-21@4X TBA Inst : ECD 9
Misc :
ALS Vial : 56 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 05:47:11 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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



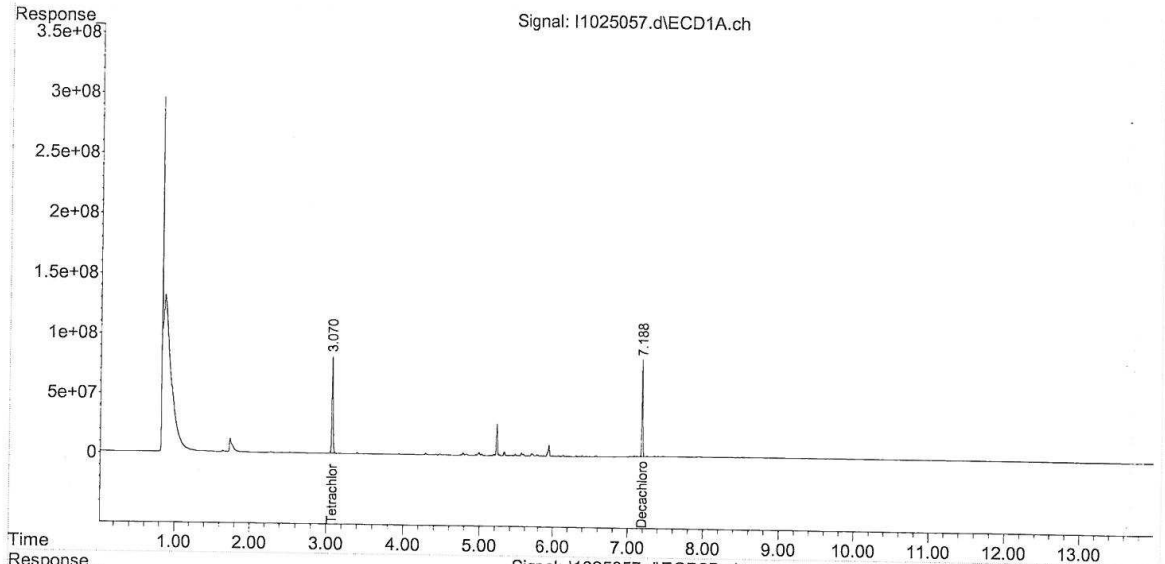
9-1260-101618.M Mon Oct 29 12:36:35 2018

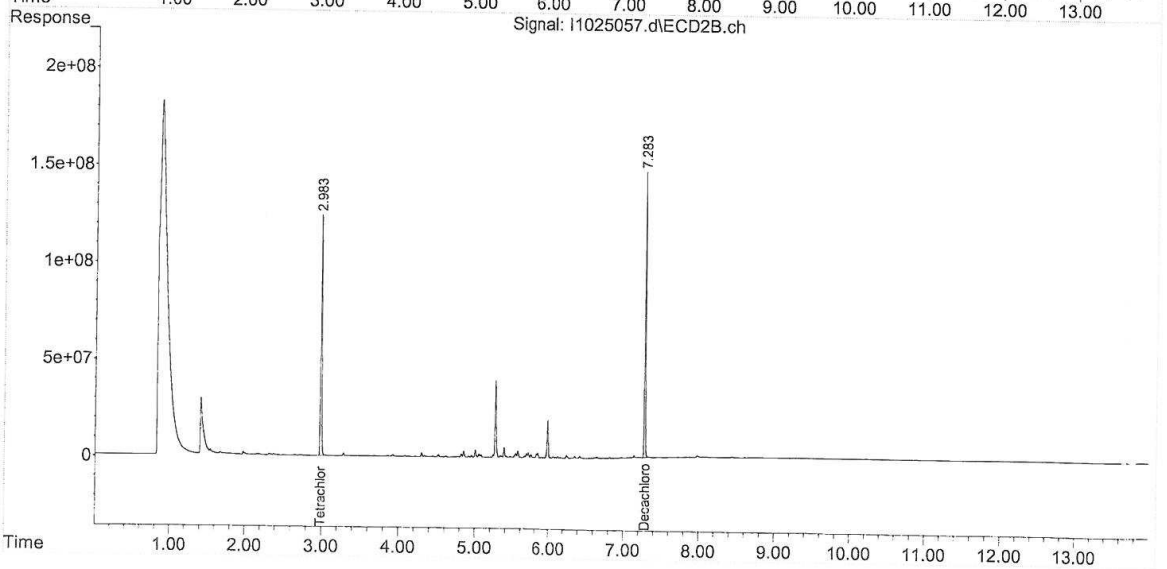
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025057.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 9:51 pm
Operator : JMB
Sample : 18J1227-22@4X TBA Inst : ECD 9
Misc :
ALS Vial : 57 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:43:46 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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





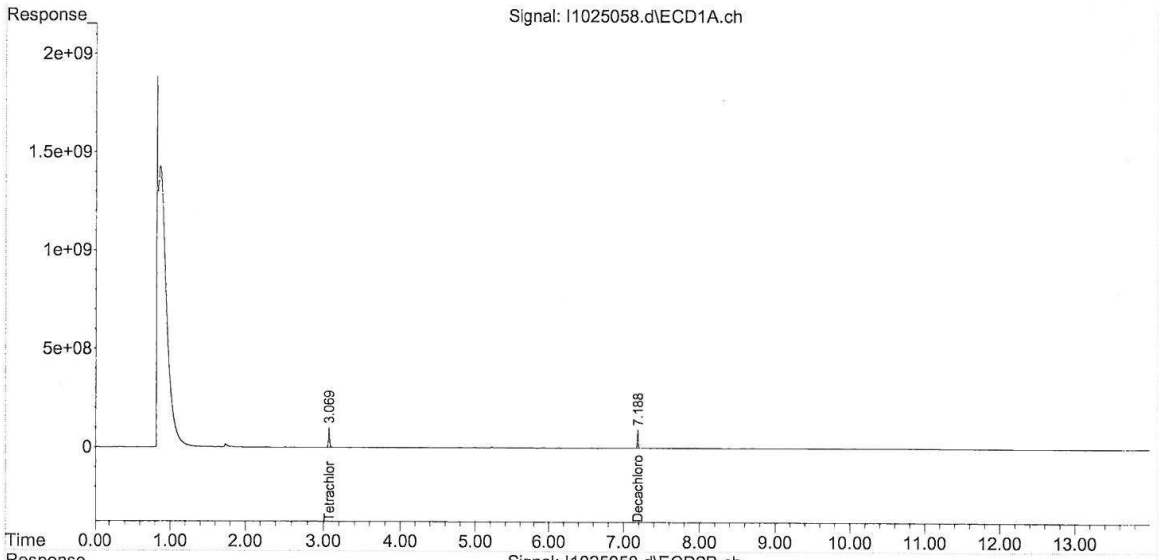
9-1260-101618.M Mon Oct 29 12:36:40 2018

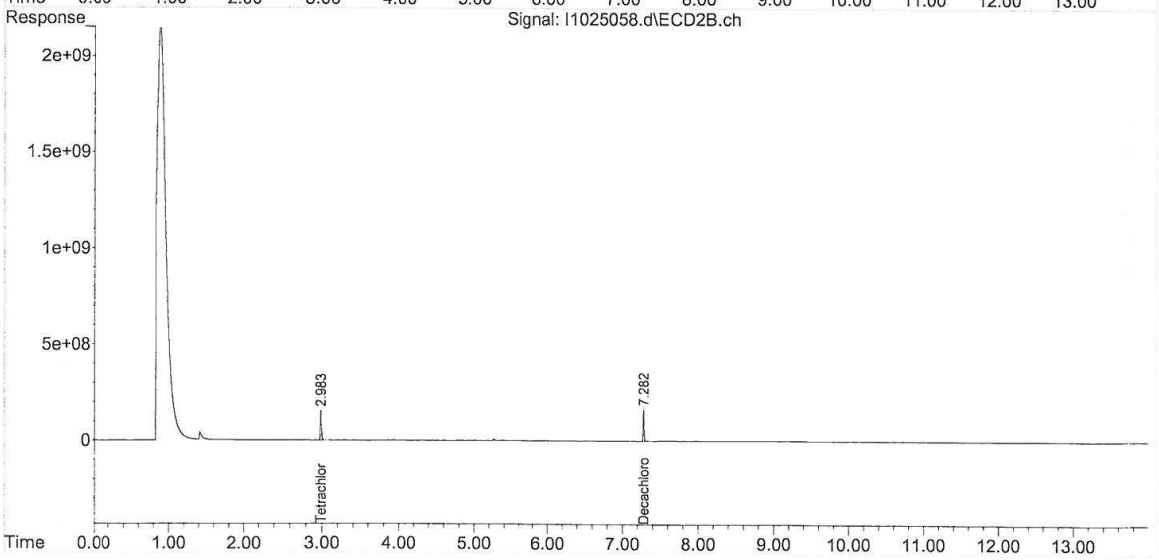
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025058.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 10:08 pm
Operator : JMB
Sample : 18J1227-23@4X TBA Inst : ECD 9
Misc :
ALS Vial : 58 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:48:47 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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





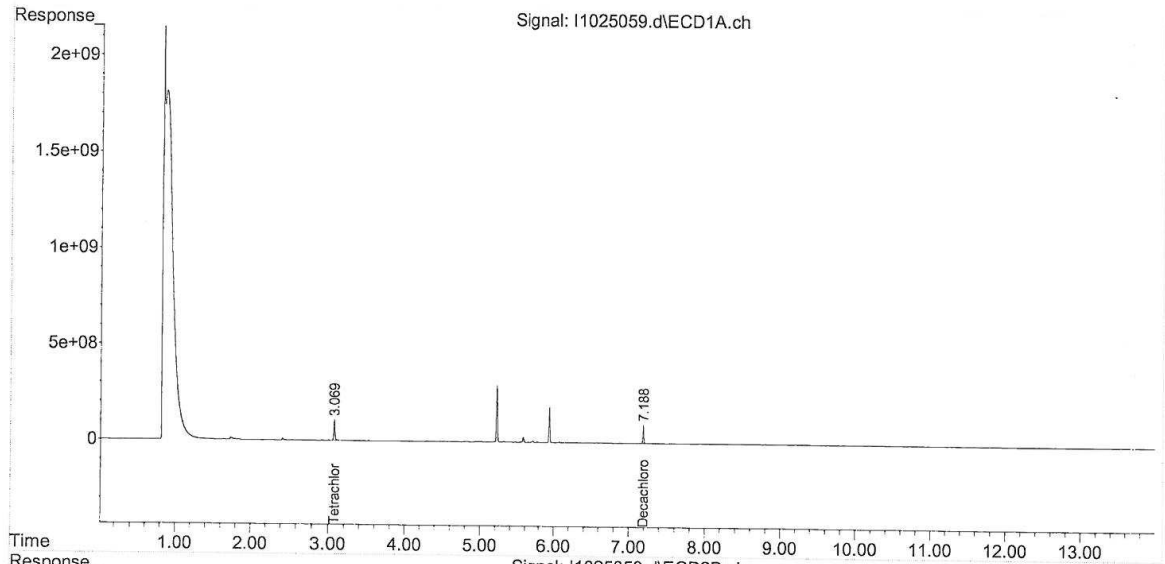
9-1260-101618.M Mon Oct 29 12:36:44 2018

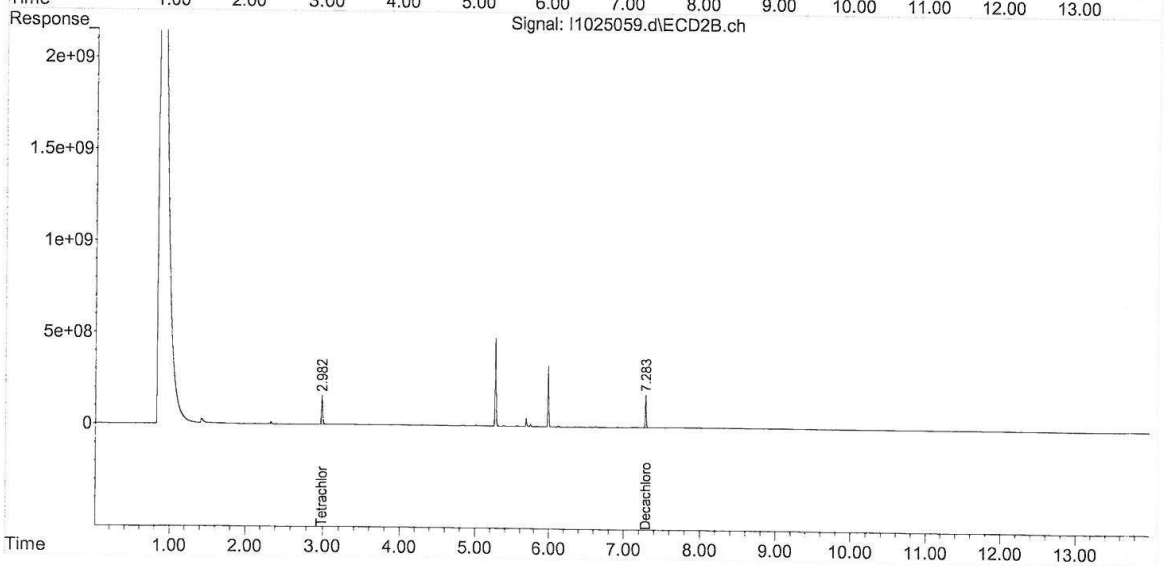
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102518\
Data File : I1025059.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Oct 2018 10:26 pm
Operator : JMB
Sample : 18J1227-24@4X TBA Inst : ECD 9
Misc :
ALS Vial : 59 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Oct 26 12:51:05 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-101618.M
Quant Title : 1260/1016 10/01/18 09/07/18 ICAL 1800321
QLast Update : Tue Oct 02 11:09:21 2018
Response via : Initial Calibration
Integrator: ChemStation

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





9-1260-101618.M Mon Oct 29 12:36:48 2018

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Eversource Emergency Response

Project Location: 27 Parsons Lane, Durham, CT

Project Number: 18J1227

Laboratory Sample ID(s):
18J1227-01 thru 18J1227-24

Sample Date(s):
10/24/2018

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.

Lisa A. Worthington

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: Lisa Worthington **Position:** Project Manager

Printed Name: Lisa A. Worthington **Date:** 10/29/18

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

November 13, 2018

Mike Gaughan
Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037

Project Location: 27 Parsons Ln, Durham, CT
Client Job Number:
Project Number: CWC-18-00543
Laboratory Work Order Number: 18K0461

Enclosed are results of analyses for samples received by the laboratory on November 9, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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

Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 11/13/2018

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18K0461

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

PROJECT LOCATION: 27 Parsons Ln, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
S32	18K0461-01	Soil		SM 2540G	
				SW-846 8082A	
S33	18K0461-02	Soil		SM 2540G	
				SW-846 8082A	
S34	18K0461-03	Soil		SM 2540G	
				SW-846 8082A	
S35	18K0461-04	Soil		SM 2540G	
				SW-846 8082A	

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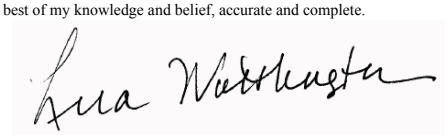
CASE NARRATIVE SUMMARY

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

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.



Lisa A. Worthington
Project Manager

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

Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S32 | Sampled: 11/8/2018 14:20

Sample ID: 18K0461-01

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	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:35	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	101	30-150		11/12/18 17:35
Decachlorobiphenyl [2]	111	30-150		11/12/18 17:35
Tetrachloro-m-xylene [1]	87.8	30-150		11/12/18 17:35
Tetrachloro-m-xylene [2]	98.2	30-150		11/12/18 17:35

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S32 | Sampled: 11/8/2018 14:20

Sample ID: 18K0461-01

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	82.3		% Wt	1		SM 2540G	11/12/18	11/13/18 9:43	ITB

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S33 | Sampled: 11/8/2018 14:22

Sample ID: 18K0461-02

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	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1221 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1232 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1242 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1248 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1254 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1260 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1262 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG
Aroclor-1268 [1]	ND	0.095	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 17:48	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		11/12/18 17:48
Decachlorobiphenyl [2]	110	30-150		11/12/18 17:48
Tetrachloro-m-xylene [1]	91.6	30-150		11/12/18 17:48
Tetrachloro-m-xylene [2]	101	30-150		11/12/18 17:48

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Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S33
Sampled: 11/8/2018 14:22

Sample ID: 18K0461-02

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	79.6		% Wt	1		SM 2540G	11/12/18	11/13/18 9:43	ITB

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S34 | Sampled: 11/8/2018 14:24

Sample ID: 18K0461-03

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	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:02	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		11/12/18 18:02
Decachlorobiphenyl [2]	114	30-150		11/12/18 18:02
Tetrachloro-m-xylene [1]	95.1	30-150		11/12/18 18:02
Tetrachloro-m-xylene [2]	103	30-150		11/12/18 18:02

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S34 | Sampled: 11/8/2018 14:24

Sample ID: 18K0461-03

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	81.6		% Wt	1		SM 2540G	11/12/18	11/13/18 9:43	ITB

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S35 | Sampled: 11/8/2018 14:26

Sample ID: 18K0461-04

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	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg dry	4		SW-846 8082A	11/9/18	11/12/18 18:15	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		11/12/18 18:15
Decachlorobiphenyl [2]	110	30-150		11/12/18 18:15
Tetrachloro-m-xylene [1]	89.3	30-150		11/12/18 18:15
Tetrachloro-m-xylene [2]	94.9	30-150		11/12/18 18:15

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 18K0461

Date Received: 11/9/2018

Field Sample #: S35 | Sampled: 11/8/2018 14:26

Sample ID: 18K0461-04

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	87.4		% Wt	1		SM 2540G	11/12/18	11/13/18 9:43	ITB

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18K0461-01 [S32]	B216981	11/12/18
18K0461-02 [S33]	B216981	11/12/18
18K0461-03 [S34]	B216981	11/12/18
18K0461-04 [S35]	B216981	11/12/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18K0461-01 [S32]	B216889	10.0	10.0	11/09/18
18K0461-02 [S33]	B216889	10.6	10.0	11/09/18
18K0461-03 [S34]	B216889	10.6	10.0	11/09/18
18K0461-04 [S35]	B216889	10.3	10.0	11/09/18

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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 B216889 - SW-846 3540C										
Blank (B216889-BLK1)				Prepared: 11/09/18 Analyzed: 11/12/18						
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]	*0.218*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg wet	0.200		86.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.189*		mg/Kg wet	0.200		94.5	30-150			
LCS (B216889-BS1)				Prepared: 11/09/18 Analyzed: 11/12/18						
Aroclor-1016	0.16	0.020	mg/Kg wet	0.198		79.2	40-140			
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.198		90.3	40-140			
Aroclor-1260	0.16	0.020	mg/Kg wet	0.198		79.8	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.198		90.2	40-140			
Surrogate: Decachlorobiphenyl	*0.182*		mg/Kg wet	0.198		91.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.204*		mg/Kg wet	0.198		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.168*		mg/Kg wet	0.198		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.185*		mg/Kg wet	0.198		93.4	30-150			
LCS Dup (B216889-BSD1)				Prepared: 11/09/18 Analyzed: 11/12/18						
Aroclor-1016	0.16	0.019	mg/Kg wet	0.189		85.0	40-140	2.25	30	
Aroclor-1016 [2C]	0.19	0.019	mg/Kg wet	0.189		99.8	40-140	5.10	30	
Aroclor-1260	0.16	0.019	mg/Kg wet	0.189		86.8	40-140	3.54	30	
Aroclor-1260 [2C]	0.18	0.019	mg/Kg wet	0.189		97.7	40-140	3.14	30	
Surrogate: Decachlorobiphenyl	*0.189*		mg/Kg wet	0.189		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.210*		mg/Kg wet	0.189		111	30-150			
Surrogate: Tetrachloro-m-xylene	*0.173*		mg/Kg wet	0.189		91.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.188*		mg/Kg wet	0.189		99.8	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B216889-BS1 Date(s) Analyzed 11/12/2018 11/12/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B216889-BSD1 Date(s) Analyzed 11/12/2018 11/12/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.19	17.1
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

ALB 18K0461

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

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name: Eversource Energy
Address: 107 Selden St, Berlin, CT
Phone: 860-557-3860
Project Name:
Project Location: 27 Parsons Ln, Durham, CT
Project Number: CWC-18-00543
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

| Con-Test Work Order# | Client Sample ID / Description | Beginning Date/Time | Ending Date/Time | Composite | Grab | Matrix Code | Conc Code | PCB 8082, Soxhlet | | |

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client EverSource Energy

Received By TJ Date 11/09/2018 Time 1855

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.6

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? T Who was notified? _____

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? X=NA MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	4
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear TJ	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

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November 8, 2018

Mike Gaughan
Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037

Project Location: 27 Parsons Lane, Durham, CT
Client Job Number:
Project Number: CWC-18-00543
Laboratory Work Order Number: 18K0002

Enclosed are results of analyses for samples received by the laboratory on November 1, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 11/8/2018

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18K0002

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

PROJECT LOCATION: 27 Parsons Lane, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
S10	18K0002-01	Soil		SM 2540G	
				SW-846 8082A	
S10 Duplicate	18K0002-02	Soil		SM 2540G	
				SW-846 8082A	
S14	18K0002-03	Soil		SM 2540G	
				SW-846 8082A	
S29	18K0002-04	Soil		SM 2540G	
				SW-846 8082A	
S30	18K0002-05	Soil		SM 2540G	
				SW-846 8082A	
S31	18K0002-06	Soil		SM 2540G	
				SW-846 8082A	

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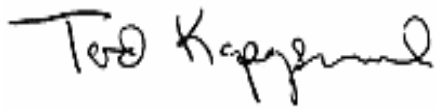
CASE NARRATIVE SUMMARY

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

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

con-test® ANALYTICAL LABORATORY
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Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S10 Sampled: 10/24/2018 11:10

Sample ID: 18K0002-01

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	84.8		% Wt	1		SM 2540G	10/24/18	11/6/18 10:14	MAT

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S10 | Sampled: 10/24/2018 11:10

Sample ID: 18K0002-01

Sample Matrix: Soil

SPLP - 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	11/5/18	11/7/18 16:03	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:03	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	46.8	30-150		11/7/18 16:03
Decachlorobiphenyl [2]	47.7	30-150		11/7/18 16:03
Tetrachloro-m-xylene [1]	47.0	30-150		11/7/18 16:03
Tetrachloro-m-xylene [2]	49.0	30-150		11/7/18 16:03

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

Project Location: 27 Parsons Lane, Durham, CT Sample Description: Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S10 Duplicate Sampled: 10/24/2018 11:10

Sample ID: 18K0002-02

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	79.3		% Wt	1		SM 2540G	10/24/18	11/6/18 10:14	MAT

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S10 Duplicate | Sampled: 10/24/2018 11:10

Sample ID: 18K0002-02

Sample Matrix: Soil

SPLP - 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	11/5/18	11/7/18 16:15	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:15	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	64.8	30-150		11/7/18 16:15
Decachlorobiphenyl [2]	65.2	30-150		11/7/18 16:15
Tetrachloro-m-xylene [1]	55.3	30-150		11/7/18 16:15
Tetrachloro-m-xylene [2]	57.5	30-150		11/7/18 16:15

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S14 | Sampled: 10/24/2018 11:14

Sample ID: 18K0002-03

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	87.8		% Wt	1		SM 2540G	10/24/18	11/6/18 10:14	MAT

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S14 | Sampled: 10/24/2018 11:14

Sample ID: 18K0002-03

Sample Matrix: Soil

SPLP - 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	11/5/18	11/7/18 16:28	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:28	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	45.7	30-150		11/7/18 16:28
Decachlorobiphenyl [2]	46.7	30-150		11/7/18 16:28
Tetrachloro-m-xylene [1]	57.9	30-150		11/7/18 16:28
Tetrachloro-m-xylene [2]	60.3	30-150		11/7/18 16:28

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S29 | Sampled: 10/24/2018 11:35

Sample ID: 18K0002-04

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	88.1		% Wt	1		SM 2540G	10/24/18	11/6/18 10:14	MAT

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S29 | Sampled: 10/24/2018 11:35

Sample ID: 18K0002-04

Sample Matrix: Soil

SPLP - 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	11/5/18	11/7/18 16:41	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:41	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	49.5	30-150		11/7/18 16:41
Decachlorobiphenyl [2]	50.1	30-150		11/7/18 16:41
Tetrachloro-m-xylene [1]	49.6	30-150		11/7/18 16:41
Tetrachloro-m-xylene [2]	51.5	30-150		11/7/18 16:41

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S30 | Sampled: 10/24/2018 11:36

Sample ID: 18K0002-05

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	83.0		% Wt	1		SM 2540G	10/24/18	11/6/18 10:14	MAT

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S30 | Sampled: 10/24/2018 11:36

Sample ID: 18K0002-05

Sample Matrix: Soil

SPLP - 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	11/5/18	11/7/18 16:54	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 16:54	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	56.4	30-150		11/7/18 16:54	
Decachlorobiphenyl [2]	57.3	30-150		11/7/18 16:54	
Tetrachloro-m-xylene [1]	70.8	30-150		11/7/18 16:54	
Tetrachloro-m-xylene [2]	72.7	30-150		11/7/18 16:54	

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

Project Location: 27 Parsons Lane, Durham, CT
Sample Description:
Work Order: 18K0002

Date Received: 11/1/2018

Field Sample #: S31
Sampled: 10/24/2018 11:37

Sample ID: 18K0002-06

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	10/24/18	11/6/18 10:14	MAT

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

Project Location: 27 Parsons Lane, Durham, CT
Sample Description:
Work Order: 18K0002
Date Received: 11/1/2018
Field Sample #: S31
Sampled: 10/24/2018 11:37
Sample ID: 18K0002-06
Sample Matrix: Soil

SPLP - 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	11/5/18	11/7/18 17:06	AYH
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	11/5/18	11/7/18 17:06	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	38.3	30-150		11/7/18 17:06
Decachlorobiphenyl [2]	39.8	30-150		11/7/18 17:06
Tetrachloro-m-xylene [1]	62.8	30-150		11/7/18 17:06
Tetrachloro-m-xylene [2]	64.9	30-150		11/7/18 17:06

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18K0002-01 [S10]	B215628	10/24/18
18K0002-02 [S10 Duplicate]	B215628	10/24/18
18K0002-03 [S14]	B215628	10/24/18
18K0002-04 [S29]	B215628	10/24/18
18K0002-05 [S30]	B215628	10/24/18
18K0002-06 [S31]	B215628	10/24/18

Prep Method: SW-846 3510C-SW-846 8082A **Leachates were extracted on 11/2/2018 per SW-846 1312 in Batch B216306**

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18K0002-01 [S10]	B216370	500	5.00	11/05/18
18K0002-02 [S10 Duplicate]	B216370	500	5.00	11/05/18
18K0002-03 [S14]	B216370	500	5.00	11/05/18
18K0002-04 [S29]	B216370	500	5.00	11/05/18
18K0002-05 [S30]	B216370	500	5.00	11/05/18
18K0002-06 [S31]	B216370	500	5.00	11/05/18

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QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B216370 - SW-846 3510C										
Blank (B216370-BLK1)				Prepared: 11/05/18 Analyzed: 11/07/18						
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	*1.05*		µg/L	2.00		52.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.06*		µg/L	2.00		53.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.847*		µg/L	2.00		42.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.884*		µg/L	2.00		44.2	30-150			
LCS (B216370-BS1)				Prepared: 11/05/18 Analyzed: 11/07/18						
Aroclor-1016	0.38	0.20	µg/L	0.500		76.0	40-140			
Aroclor-1016 [2C]	0.40	0.20	µg/L	0.500		80.1	40-140			
Aroclor-1260	0.36	0.20	µg/L	0.500		73.0	40-140			
Aroclor-1260 [2C]	0.41	0.20	µg/L	0.500		82.0	40-140			
Surrogate: Decachlorobiphenyl	*1.12*		µg/L	2.00		55.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.14*		µg/L	2.00		56.8	30-150			
Surrogate: Tetrachloro-m-xylene	*1.19*		µg/L	2.00		59.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.24*		µg/L	2.00		61.8	30-150			
LCS Dup (B216370-BSD1)				Prepared: 11/05/18 Analyzed: 11/07/18						
Aroclor-1016	0.40	0.20	µg/L	0.500		80.1	40-140	5.25	20	
Aroclor-1016 [2C]	0.42	0.20	µg/L	0.500		83.8	40-140	4.44	20	
Aroclor-1260	0.39	0.20	µg/L	0.500		77.2	40-140	5.61	20	
Aroclor-1260 [2C]	0.43	0.20	µg/L	0.500		85.7	40-140	4.45	20	
Surrogate: Decachlorobiphenyl	*0.823*		µg/L	2.00		41.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.843*		µg/L	2.00		42.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.20*		µg/L	2.00		59.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.24*		µg/L	2.00		61.9	30-150			

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QUALITY CONTROL

SPLP - Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B216370 - SW-846 3510C										
Matrix Spike (B216370-MS1)	**Source: 18K0002-06**			Prepared: 11/05/18 Analyzed: 11/07/18						
Aroclor-1016	0.44	0.20	µg/L	0.500	ND	88.9	40-140			
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500	ND	90.2	40-140			
Aroclor-1260	0.40	0.20	µg/L	0.500	ND	80.3	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500	ND	87.8	40-140			
Surrogate: Decachlorobiphenyl	*0.701*		µg/L	2.00		35.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.733*		µg/L	2.00		36.7	30-150			
Surrogate: Tetrachloro-m-xylene	*1.39*		µg/L	2.00		69.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.42*		µg/L	2.00		71.0	30-150			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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 - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

AC

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ALB

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

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CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

Company Name:	Eversource
Address:	107 Selden St, Berlin, CT
Phone:	860-559-3860
Project Name:	
Project Location:	27 Parsons Ln, Durham, CT
Project Number:	CWC-18-00543
Project Manager:	Mike Gaughan
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date: 5 Day TAT

Rush-Approval Required
1-Day ☐ 3-Day ☐
~~2-Day~~ ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

Con-Test Work Order#		Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCB 8082 Soxhlet	SPLP 8082
-01	1	S10	10/24/18	1110		X	S	4	X	X
-02	2	S10 Duplicate	10/24/18	1110		X	S	4	X	X
	3	S11	10/24/18	1112		X	S	4	X	
	4	S12	10/24/18	1113		X	S	4	X	
	5	S13	10/24/18	1115		X	S	4	X	
-03	6	S14	10/24/18	1114		X	S	4	X	X
	7	S15	10/24/18	1116		X	S	4	X	
	8	S16	10/24/18	1117		X	S	4	X	
	9	S17	10/24/18	1118		X	S	4	X	
	10	S18	10/24/18	1119		X	S	4	X	

ANALYSIS REQUESTED

# of Containers
[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

Comments: Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	10/24/18 12:30	Date/Time:
Received by: (signature) Tom Mauro	10/24/18 15:30	Date/Time:
Relinquished by: (signature) Tom Mauro	10/24/18 1750	Date/Time:
Received by: (signature) 2.9 10-24-18	17:5	Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

Detection Limit Requirements
MA
CT GA/RES
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 3

Company Name:	Eversource
Address:	107 Selden St, Berlin, CT
Phone:	860-559-3860
Project Name:	
Project Location:	27 Parsons Ln, Durham, CT
Project Number:	CWC-18-00543
Project Manager:	Mike Gaughan
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Date Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

ANALYSIS REQUESTED

SPLP 8082

PCB 8082 - Soxhlet

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	# of Containers	Preservation Code	Container Code
11	S19	10/24/18	1120		X	S	U	X		
12	S20	10/24/18	1121		X	S	U	X		
13	S21	10/24/18	1122		X	S	U	X		
14	S22	10/24/18	1123		X	S	U	X		
15	S23	10/24/18	1124		X	S	U	X		
16	S24	10/24/18	~~1123~~ MG 1125		X	S	U	X		
17	S25	10/24/18	1126		X	S	U	X		
18	S26	10/24/18	1132		X	S	U	X		
19	S27	10/24/18	1133		X	S	U	X		
20	S28	10/24/18	1134		X	S	U	X		

Comments:
Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 10/24/18 12:30
Received by: (signature)	Date/Time: 10/25/18 1530
Relinquished by: (signature)	Date/Time: 10/14/18 1750
Received by: (signature)	Date/Time: 10-24-18 17:50
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT GA/Res
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Page 3 of 3

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-559-3860
Project Name:
Project Location: 27 Pigeons Ln, Durham, CT
Project Number: CWC-18-00543
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush-Approval Required
1-Day ☐ 3-Day ☐
2-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PCB 8082 Soxhlet	SPLP 8082	# of Containers	Preservation Code	Container Code
-04 21	S29	10/24/18	1135		X	S	U	X	X	4	H	A
-05 22	S30	10/24/18	1136		X	S	U	X	X			
23	S30 Duplicate	10/24/18	1136		X	S	U	X				
-06 24	S31	10/24/18	1137		X	S	U	X	X			

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Need chromatographs for all PCB analyses

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:
	10/24/18 12:30
Received by: (signature)	Date/Time:
Tom Mac	10/24/18 15:30
Relinquished by: (signature)	Date/Time:
Tom Mac	10/24/18 1750
Received by: (signature)	Date/Time:
2.9 10-24-18	17:50
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT GA/RES
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

con-test ANALYTICAL LABORATORY
www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☒ Chromatogram
☐ AIHA-LAP, LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Eversource

Received By ESO Date 10-24-18 Time 13:50

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____

Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 2.9

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client F Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? T Who was notified? BAC

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	24
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

Aaron Benoit

From: Gaughan, Michael M
Sent: Thursday, November 01, 2018 10:27 AM
To: Aaron Benoit
Subject: Work order 18J1227 additional analyses

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Reactivation

Aaron,

Regarding WO 18J1227 for 27 Parsons Lane, Durham, CT, please re-analyze the following soil samples for PCB 8082 following SPLP extraction on a 5-day TAT:

18J1227-01 S10
18J1227-02 S10 Duplicate
18J1227-06 S14
18J1227-21 S29
18J1227-22 S30
18J1227-24 S31

Thanks,

Michael M. Gaughan, LEP
Environmental Coordinator
Eversource Energy
705 West Johnson Avenue, Cheshire, CT 06410
Office: 203-271-4859 Cell: 860-559-3860
michael.gaughan@eversource.com

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REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Eversource Emergency Response

Project Location: 27 Parsons Lane, Durham, CT

Project Number: 18K0002

Laboratory Sample ID(s):
18K0002-01 thru 18K0002-06

Sample Date(s):
10/24/2018

List RCP Methods Used:
SW-846 1312, 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.

Tod E. Kopyscinski

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:** 11/08/18

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

January 3, 2019

Mike Gaughan
Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037

Project Location: 27 Parsons Lane, Durham, CT
Client Job Number:
Project Number: CWC-18-00543
Laboratory Work Order Number: 18L1300

Enclosed are results of analyses for samples received by the laboratory on December 28, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Aaron L. Benoit
Project Manager

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

Eversource Emergency Response
107 Seldon Street
Berlin, CT 06037
ATTN: Mike Gaughan

REPORT DATE: 1/3/2019

PURCHASE ORDER NUMBER: 02283484 Release 2

PROJECT NUMBER: CWC-18-00543

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L1300

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

PROJECT LOCATION: 27 Parsons Lane, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
Tank 1 Top	18L1300-01	Wipe		SW-846 8082A	
Tank 1 Mid	18L1300-02	Wipe		SW-846 8082A	
Tank 1 Bottom	18L1300-03	Wipe		SW-846 8082A	
Tank 2 Top	18L1300-04	Wipe		SW-846 8082A	
Tank 2 Mid	18L1300-05	Wipe		SW-846 8082A	
Tank 2 Bottom	18L1300-06	Wipe		SW-846 8082A	
Tank 3 Top	18L1300-07	Wipe		SW-846 8082A	
Tank 3 Mid	18L1300-08	Wipe		SW-846 8082A	
Tank 3 Bottom	18L1300-09	Wipe		SW-846 8082A	
Tank 4 Top	18L1300-10	Wipe		SW-846 8082A	
Tank 4 Mid	18L1300-11	Wipe		SW-846 8082A	
Tank 4 Bottom	18L1300-12	Wipe		SW-846 8082A	

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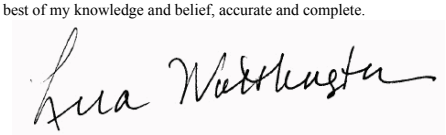
CASE NARRATIVE SUMMARY

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

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



Lisa A. Worthington
Project Manager

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 1 Top | Sampled: 12/27/2018 10:33

Sample ID: 18L1300-01

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	12/29/18	1/2/19 21:42	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:42	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		1/2/19 21:42
Decachlorobiphenyl [2]	102	30-150		1/2/19 21:42
Tetrachloro-m-xylene [1]	92.4	30-150		1/2/19 21:42
Tetrachloro-m-xylene [2]	95.1	30-150		1/2/19 21:42

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 1 Mid | Sampled: 12/27/2018 10:35

Sample ID: 18L1300-02

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	12/29/18	1/2/19 21:59	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 21:59	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		1/2/19 21:59
Decachlorobiphenyl [2]	100	30-150		1/2/19 21:59
Tetrachloro-m-xylene [1]	89.6	30-150		1/2/19 21:59
Tetrachloro-m-xylene [2]	91.4	30-150		1/2/19 21:59

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Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 1 Bottom | Sampled: 12/27/2018 10:37

Sample ID: 18L1300-03

Sample Matrix: Wipe

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1254 [2]	0.29	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:17	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		1/2/19 22:17
Decachlorobiphenyl [2]	100	30-150		1/2/19 22:17
Tetrachloro-m-xylene [1]	89.7	30-150		1/2/19 22:17
Tetrachloro-m-xylene [2]	91.7	30-150		1/2/19 22:17

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Project Location: 27 Parsons Lane, Durham, CT
Sample Description:
Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 2 Top
Sampled: 12/27/2018 10:39

Sample ID: 18L1300-04

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	12/29/18	1/2/19 22:34	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:34	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		1/2/19 22:34
Decachlorobiphenyl [2]	106	30-150		1/2/19 22:34
Tetrachloro-m-xylene [1]	91.2	30-150		1/2/19 22:34
Tetrachloro-m-xylene [2]	92.9	30-150		1/2/19 22:34

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 2 Mid | Sampled: 12/27/2018 10:41

Sample ID: 18L1300-05

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	12/29/18	1/2/19 22:52	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 22:52	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		1/2/19 22:52
Decachlorobiphenyl [2]	104	30-150		1/2/19 22:52
Tetrachloro-m-xylene [1]	89.3	30-150		1/2/19 22:52
Tetrachloro-m-xylene [2]	91.6	30-150		1/2/19 22:52

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 2 Bottom | Sampled: 12/27/2018 10:43

Sample ID: 18L1300-06

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	12/29/18	1/2/19 23:57	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/2/19 23:57	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		1/2/19 23:57
Decachlorobiphenyl [2]	105	30-150		1/2/19 23:57
Tetrachloro-m-xylene [1]	96.3	30-150		1/2/19 23:57
Tetrachloro-m-xylene [2]	98.0	30-150		1/2/19 23:57

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 3 Top | Sampled: 12/27/2018 10:45

Sample ID: 18L1300-07

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	12/29/18	1/3/19 0:14	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		1/3/19 0:14
Decachlorobiphenyl [2]	108	30-150		1/3/19 0:14
Tetrachloro-m-xylene [1]	94.8	30-150		1/3/19 0:14
Tetrachloro-m-xylene [2]	98.3	30-150		1/3/19 0:14

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 3 Mid | Sampled: 12/27/2018 10:47

Sample ID: 18L1300-08

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	12/29/18	1/3/19 0:32	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:32	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		1/3/19 0:32
Decachlorobiphenyl [2]	106	30-150		1/3/19 0:32
Tetrachloro-m-xylene [1]	98.5	30-150		1/3/19 0:32
Tetrachloro-m-xylene [2]	100	30-150		1/3/19 0:32

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 3 Bottom | Sampled: 12/27/2018 10:49

Sample ID: 18L1300-09

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	12/29/18	1/3/19 0:49	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 0:49	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		1/3/19 0:49
Decachlorobiphenyl [2]	104	30-150		1/3/19 0:49
Tetrachloro-m-xylene [1]	95.5	30-150		1/3/19 0:49
Tetrachloro-m-xylene [2]	98.5	30-150		1/3/19 0:49

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 4 Top | Sampled: 12/27/2018 10:51

Sample ID: 18L1300-10

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	12/29/18	1/3/19 1:07	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:07	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		1/3/19 1:07
Decachlorobiphenyl [2]	106	30-150		1/3/19 1:07
Tetrachloro-m-xylene [1]	96.5	30-150		1/3/19 1:07
Tetrachloro-m-xylene [2]	98.6	30-150		1/3/19 1:07

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 4 Mid | Sampled: 12/27/2018 10:53

Sample ID: 18L1300-11

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	12/29/18	1/3/19 1:25	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:25	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	108	30-150		1/3/19 1:25	
Decachlorobiphenyl [2]	107	30-150		1/3/19 1:25	
Tetrachloro-m-xylene [1]	96.0	30-150		1/3/19 1:25	
Tetrachloro-m-xylene [2]	96.6	30-150		1/3/19 1:25	

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

Project Location: 27 Parsons Lane, Durham, CT | Sample Description: | Work Order: 18L1300

Date Received: 12/28/2018

Field Sample #: Tank 4 Bottom | Sampled: 12/27/2018 10:55

Sample ID: 18L1300-12

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	12/29/18	1/3/19 1:42	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	12/29/18	1/3/19 1:42	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		1/3/19 1:42
Decachlorobiphenyl [2]	108	30-150		1/3/19 1:42
Tetrachloro-m-xylene [1]	99.6	30-150		1/3/19 1:42
Tetrachloro-m-xylene [2]	101	30-150		1/3/19 1:42

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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
18L1300-01 [Tank 1 Top]	B220241	1.00	10.0	12/29/18
18L1300-02 [Tank 1 Mid]	B220241	1.00	10.0	12/29/18
18L1300-03 [Tank 1 Bottom]	B220241	1.00	10.0	12/29/18
18L1300-04 [Tank 2 Top]	B220241	1.00	10.0	12/29/18
18L1300-05 [Tank 2 Mid]	B220241	1.00	10.0	12/29/18
18L1300-06 [Tank 2 Bottom]	B220241	1.00	10.0	12/29/18
18L1300-07 [Tank 3 Top]	B220241	1.00	10.0	12/29/18
18L1300-08 [Tank 3 Mid]	B220241	1.00	10.0	12/29/18
18L1300-09 [Tank 3 Bottom]	B220241	1.00	10.0	12/29/18
18L1300-10 [Tank 4 Top]	B220241	1.00	10.0	12/29/18
18L1300-11 [Tank 4 Mid]	B220241	1.00	10.0	12/29/18
18L1300-12 [Tank 4 Bottom]	B220241	1.00	10.0	12/29/18

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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 B220241 - SW-846 3540C										
Blank (B220241-BLK1)				Prepared: 12/29/18 Analyzed: 01/02/19						
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	*1.97*		µg/Wipe	2.00		98.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.97*		µg/Wipe	2.00		98.5	30-150			
Surrogate: Tetrachloro-m-xylene	*1.79*		µg/Wipe	2.00		89.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.95*		µg/Wipe	2.00		97.3	30-150			
LCS (B220241-BS1)				Prepared: 12/29/18 Analyzed: 01/02/19						
Aroclor-1016	0.41	0.20	µg/Wipe	0.500		82.3	40-140			
Aroclor-1016 [2C]	0.48	0.20	µg/Wipe	0.500		96.3	40-140			
Aroclor-1260	0.42	0.20	µg/Wipe	0.500		83.2	40-140			
Aroclor-1260 [2C]	0.45	0.20	µg/Wipe	0.500		89.8	40-140			
Surrogate: Decachlorobiphenyl	*1.93*		µg/Wipe	2.00		96.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.93*		µg/Wipe	2.00		96.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.74*		µg/Wipe	2.00		87.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.87*		µg/Wipe	2.00		93.4	30-150			
LCS Dup (B220241-BSD1)				Prepared: 12/29/18 Analyzed: 01/02/19						
Aroclor-1016	0.42	0.20	µg/Wipe	0.500		83.6	40-140	1.52	30	
Aroclor-1016 [2C]	0.49	0.20	µg/Wipe	0.500		97.7	40-140	1.44	30	
Aroclor-1260	0.42	0.20	µg/Wipe	0.500		84.4	40-140	1.41	30	
Aroclor-1260 [2C]	0.46	0.20	µg/Wipe	0.500		92.6	40-140	3.04	30	
Surrogate: Decachlorobiphenyl	*1.99*		µg/Wipe	2.00		99.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.99*		µg/Wipe	2.00		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	*1.81*		µg/Wipe	2.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.94*		µg/Wipe	2.00		96.8	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Tank 1 Bottom

Lab Sample ID: 18L1300-03 Date(s) Analyzed 01/02/2019 01/02/2019

Instrument ID (1): ECD5 Instrument ID (2): ECD5

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.26	
	2	0.000	0.000	0.000	0.29	10.9

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B220241-BS1 Date(s) Analyzed 01/02/2019 01/02/2019

Instrument ID (1): ECD5 Instrument ID (2): ECD5

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.41	
	2	0.000	0.000	0.000	0.48	15.7
Aroclor-1260	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.45	6.9

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B220241-BSD1 Date(s) Analyzed 01/02/2019 01/02/2019

Instrument ID (1): ECD5 Instrument ID (2): ECD5

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.49	15.4
Aroclor-1260	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.46	9.1

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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

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

CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

1813300

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ALS

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

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

Company Name: Eversource
Address: 107 Selden St, Berlin, CT
Phone: 860-557-3960
Project Name:
Project Location: 27 Parson's Ln, Durham, CT
Project Number: CWC-18-00573
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☒
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB soxhlet	10	H	A	# of Containers
01	Tank 1 Top	12/27/18	1033		X	O	U	X				
02	Tank 1 Mid		1035					X				
03	Tank 1 Bottom		1037					X				
04	Tank 2 Top		1039					X				
05	Tank 2 Mid		1041					X				
06	Tank 2 Bottom		1043					X				
07	Tank 3 Top		1045					X				
08	Tank 3 Mid		1047					X				
09	Tank 3 Bottom		1049					X				
10	Tank 4 Top	↓	1051		↓	↓	↓	X				

ANALYSIS REQUESTED

[2]Preservation Code
[3]Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

Comments:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) wipe

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

	Date/Time:
Relinquished by: (signature)	12/27/18 1400
Received by: (signature)	12/28/18 1651
Relinquished by: (signature)	12/28/18 1822
Received by: (signature) 3.1°C	12/28/18 1822
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements
RA
GW1
Other

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☒ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

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18L1300

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

Company Name: Eversource
Address: 107 Selden St. Berlin, CT
Phone: 860-559-3860
Project Name:
Project Location: 27 Parson's Ln Durham, CT
Project Number: CWC-18-00343
Project Manager: Mike Gaughan
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: MMG

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☒
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: michael.gaughan@eversource.com
Fax To #:

ANALYSIS REQUESTED

PCB 8082 Soxhlet

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	# of Containers	[2] Preservation Code	[3] Container Code
11	Tank 4 Mid	12/27/18	1053		X	O	4	X		
12	Tank 4 Bottom	12/27/18	1055		X	O	4	X		

MG

Comments:

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define) Wipe

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time:
	12/27/18 1400
Received by: (signature)	Date/Time:
	12/28/18 1657
Relinquished by: (signature)	Date/Time:
	12/28/18 1800
Received by: (signature) 3.1C	Date/Time:
	12/28/18 1823
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
GA
RT
Other

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☐ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ *AIHA-LAP,LLC*

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Eversource

Received By RLF Date 12/28/18 Time 1822

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 3.1 C
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? T Who was notified? Brie
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	2
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Eversource Emergency Response

Project Location: 27 Parsons Lane, Durham, CT

Project Number: 18L1300

Laboratory Sample ID(s):
18L1300-01 thru 18L1300-12

Sample Date(s):
12/27/2018

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.

Lisa A. Worthington

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: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **01/03/19**

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

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

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April 22, 2019

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Durham, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18J1300

Enclosed are results of analyses for samples received by the laboratory on October 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 4/22/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1300

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

PROJECT LOCATION: Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
C-1	18J1300-01	Concrete		SW-846 8082A	
C-2	18J1300-02	Concrete		SW-846 8082A	
C-3	18J1300-03	Concrete		SW-846 8082A	
C-4	18J1300-04	Concrete		SW-846 8082A	
C-5	18J1300-05	Concrete		SW-846 8082A	
C-6	18J1300-06	Concrete		SW-846 8082A	
C-7	18J1300-07	Concrete		SW-846 8082A	
C-8	18J1300-08	Concrete		SW-846 8082A	
C-32	18J1300-09	Concrete		SW-846 8082A	
C-33	18J1300-10	Concrete		SW-846 8082A	
C-34	18J1300-11	Concrete		SW-846 8082A	
Dup-1	18J1300-12	Concrete		SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

REVISED REPORT - 4/22/19 - 18J1300-09, -10 & -11 IDs revised per clients request.

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



Meghan E. Kelley
Project Manager

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

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-1 | Sampled: 10/25/2018 11:00

Sample ID: 18J1300-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1221 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1232 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1242 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1248 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1254 [2]	0.11	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1260 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1262 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL
Aroclor-1268 [1]	ND	0.069	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:34	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.6	30-150		10/30/18 2:34
Decachlorobiphenyl [2]	117	30-150		10/30/18 2:34
Tetrachloro-m-xylene [1]	87.3	30-150		10/30/18 2:34
Tetrachloro-m-xylene [2]	90.5	30-150		10/30/18 2:34

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

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-2 | Sampled: 10/25/2018 11:10

Sample ID: 18J1300-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1221 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1232 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1242 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1248 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1254 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1260 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1262 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL
Aroclor-1268 [1]	ND	0.083	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 2:51	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.7	30-150		10/30/18 2:51
Decachlorobiphenyl [2]	121	30-150		10/30/18 2:51
Tetrachloro-m-xylene [1]	86.5	30-150		10/30/18 2:51
Tetrachloro-m-xylene [2]	90.1	30-150		10/30/18 2:51

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-3 | Sampled: 10/25/2018 11:20

Sample ID: 18J1300-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1254 [2]	0.12	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:09	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.7	30-150		10/30/18 3:09
Decachlorobiphenyl [2]	119	30-150		10/30/18 3:09
Tetrachloro-m-xylene [1]	83.7	30-150		10/30/18 3:09
Tetrachloro-m-xylene [2]	87.2	30-150		10/30/18 3:09

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

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-4 | Sampled: 10/25/2018 11:30

Sample ID: 18J1300-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1221 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1232 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1242 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1248 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1254 [2]	0.13	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1260 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1262 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL
Aroclor-1268 [1]	ND	0.085	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:26	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.5	30-150		10/30/18 3:26
Decachlorobiphenyl [2]	118	30-150		10/30/18 3:26
Tetrachloro-m-xylene [1]	86.1	30-150		10/30/18 3:26
Tetrachloro-m-xylene [2]	89.0	30-150		10/30/18 3:26

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

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-5 | Sampled: 10/25/2018 11:40

Sample ID: 18J1300-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1254 [2]	0.40	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 3:43	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	83.3	30-150		10/30/18 3:43
Decachlorobiphenyl [2]	104	30-150		10/30/18 3:43
Tetrachloro-m-xylene [1]	67.8	30-150		10/30/18 3:43
Tetrachloro-m-xylene [2]	70.8	30-150		10/30/18 3:43

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

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-6 | Sampled: 10/25/2018 11:50

Sample ID: 18J1300-06

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1254 [2]	0.41	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:00	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.1	30-150		10/30/18 4:00
Decachlorobiphenyl [2]	108	30-150		10/30/18 4:00
Tetrachloro-m-xylene [1]	73.0	30-150		10/30/18 4:00
Tetrachloro-m-xylene [2]	76.3	30-150		10/30/18 4:00

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

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-7 | Sampled: 10/25/2018 12:00

Sample ID: 18J1300-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1221 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1232 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1242 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1248 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1254 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1260 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1262 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL
Aroclor-1268 [1]	ND	0.078	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 4:18	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	88.7	30-150		10/30/18 4:18
Decachlorobiphenyl [2]	109	30-150		10/30/18 4:18
Tetrachloro-m-xylene [1]	86.2	30-150		10/30/18 4:18
Tetrachloro-m-xylene [2]	90.1	30-150		10/30/18 4:18

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-8 | Sampled: 10/25/2018 12:10

Sample ID: 18J1300-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:22	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.1	30-150		10/30/18 5:22
Decachlorobiphenyl [2]	115	30-150		10/30/18 5:22
Tetrachloro-m-xylene [1]	82.6	30-150		10/30/18 5:22
Tetrachloro-m-xylene [2]	85.2	30-150		10/30/18 5:22

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

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-32 | Sampled: 10/25/2018 12:20

Sample ID: 18J1300-09

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1221 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1232 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1242 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1248 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1254 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1260 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1262 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL
Aroclor-1268 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:39	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	90.1	30-150			10/30/18 5:39
Decachlorobiphenyl [2]	109	30-150			10/30/18 5:39
Tetrachloro-m-xylene [1]	77.0	30-150			10/30/18 5:39
Tetrachloro-m-xylene [2]	80.7	30-150			10/30/18 5:39

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

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-33 | Sampled: 10/25/2018 12:30

Sample ID: 18J1300-10

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1254 [2]	0.12	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 5:56	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.6	30-150		10/30/18 5:56
Decachlorobiphenyl [2]	112	30-150		10/30/18 5:56
Tetrachloro-m-xylene [1]	76.1	30-150		10/30/18 5:56
Tetrachloro-m-xylene [2]	78.4	30-150		10/30/18 5:56

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

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: C-34 | Sampled: 10/25/2018 12:40

Sample ID: 18J1300-11

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:14	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	99.4	30-150		10/30/18 6:14
Decachlorobiphenyl [2]	121	30-150		10/30/18 6:14
Tetrachloro-m-xylene [1]	91.3	30-150		10/30/18 6:14
Tetrachloro-m-xylene [2]	94.5	30-150		10/30/18 6:14

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

Project Location: Durham, CT | Sample Description: | Work Order: 18J1300

Date Received: 10/25/2018

Field Sample #: Dup-1 | Sampled: 10/25/2018 00:00

Sample ID: 18J1300-12

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1221 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1232 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1242 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1248 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1254 [2]	0.11	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1260 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1262 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL
Aroclor-1268 [1]	ND	0.080	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:31	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.4	30-150		10/30/18 6:31
Decachlorobiphenyl [2]	115	30-150		10/30/18 6:31
Tetrachloro-m-xylene [1]	84.0	30-150		10/30/18 6:31
Tetrachloro-m-xylene [2]	86.4	30-150		10/30/18 6:31

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18J1300-01 [C-1]	B215715	2.90	10.0	10/25/18
18J1300-02 [C-2]	B215715	2.42	10.0	10/25/18
18J1300-03 [C-3]	B215715	2.11	10.0	10/25/18
18J1300-04 [C-4]	B215715	2.36	10.0	10/25/18
18J1300-05 [C-5]	B215715	2.10	10.0	10/25/18
18J1300-06 [C-6]	B215715	2.22	10.0	10/25/18
18J1300-07 [C-7]	B215715	2.56	10.0	10/25/18
18J1300-08 [C-8]	B215715	2.13	10.0	10/25/18
18J1300-09 [C-32]	B215715	2.47	10.0	10/25/18
18J1300-10 [C-33]	B215715	2.02	10.0	10/25/18
18J1300-11 [C-34]	B215715	2.21	10.0	10/25/18
18J1300-12 [Dup-1]	B215715	2.49	10.0	10/25/18

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 B215715 - SW-846 3540C										
Blank (B215715-BLK1)				Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.978*		mg/Kg	1.00		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.29*		mg/Kg	1.00		129	30-150			
Surrogate: Tetrachloro-m-xylene	*0.936*		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.02*		mg/Kg	1.00		102	30-150			
LCS (B215715-BS1)				Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	0.93	0.10	mg/Kg	1.00		93.5	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140			
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.2	40-140			
Aroclor-1260 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140			
Surrogate: Decachlorobiphenyl	*0.972*		mg/Kg	1.00		97.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.27*		mg/Kg	1.00		127	30-150			
Surrogate: Tetrachloro-m-xylene	*0.922*		mg/Kg	1.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.984*		mg/Kg	1.00		98.4	30-150			
LCS Dup (B215715-BSD1)				Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	1.0	0.10	mg/Kg	1.00		100	40-140	6.99	30	
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	1.00		111	40-140	8.00	30	
Aroclor-1260	0.99	0.10	mg/Kg	1.00		98.6	40-140	11.1	30	
Aroclor-1260 [2C]	1.1	0.10	mg/Kg	1.00		114	40-140	10.0	30	
Surrogate: Decachlorobiphenyl	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.36*		mg/Kg	1.00		136	30-150			
Surrogate: Tetrachloro-m-xylene	*0.957*		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.02*		mg/Kg	1.00		102	30-150			

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QUALITY CONTROL

Polychlorinated Biphenyls with 3540 Soxhlet Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B215715 - SW-846 3540C										
Matrix Spike (B215715-MS1)	**Source: 18J1300-01**			Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	0.80	0.095	mg/Kg	0.948	ND	84.4	40-140			
Aroclor-1016 [2C]	0.89	0.095	mg/Kg	0.948	ND	94.0	40-140			
Aroclor-1260	0.70	0.095	mg/Kg	0.948	ND	74.0	40-140			
Aroclor-1260 [2C]	0.74	0.095	mg/Kg	0.948	ND	78.4	40-140			
Surrogate: Decachlorobiphenyl	*0.747*		mg/Kg	0.948		78.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.902*		mg/Kg	0.948		95.2	30-150			
Surrogate: Tetrachloro-m-xylene	*0.821*		mg/Kg	0.948		86.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.829*		mg/Kg	0.948		87.4	30-150			
Matrix Spike Dup (B215715-MSD1)	**Source: 18J1300-01**			Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	0.84	0.10	mg/Kg	1.00	ND	83.9	40-140	4.77	50	
Aroclor-1016 [2C]	0.88	0.10	mg/Kg	1.00	ND	87.6	40-140	1.70	50	
Aroclor-1260	0.75	0.10	mg/Kg	1.00	ND	74.9	40-140	6.51	50	
Aroclor-1260 [2C]	0.80	0.10	mg/Kg	1.00	ND	80.3	40-140	7.79	50	
Surrogate: Decachlorobiphenyl	*0.823*		mg/Kg	1.00		82.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.995*		mg/Kg	1.00		99.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.859*		mg/Kg	1.00		85.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.871*		mg/Kg	1.00		87.1	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-1

Lab Sample ID: 18J1300-01 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.095	
	2	0.000	0.000	0.000	0.11	14.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-3

Lab Sample ID: 18J1300-03 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.12	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-4

Lab Sample ID: 18J1300-04 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.12	
	2	0.000	0.000	0.000	0.13	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-5

Lab Sample ID: 18J1300-05 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.38	
	2	0.000	0.000	0.000	0.40	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-6

Lab Sample ID: 18J1300-06 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.38	
	2	0.000	0.000	0.000	0.41	7.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Dup-1

Lab Sample ID: 18J1300-12 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.099	
	2	0.000	0.000	0.000	0.11	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B215715-BS1 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.93	
	2	0.000	0.000	0.000	1.0	6.2
Aroclor-1260	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	1.0	12.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B215715-BSD1 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	1.0	
	2	0.000	0.000	0.000	1.1	9.5
Aroclor-1260	1	0.000	0.000	0.000	0.99	
	2	0.000	0.000	0.000	1.1	10.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B215715-MS1 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.89	10.7
Aroclor-1260	1	0.000	0.000	0.000	0.70	
	2	0.000	0.000	0.000	0.74	5.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B215715-MSD1 Date(s) Analyzed: 10/30/2018 10/30/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.88	4.7
Aroclor-1260	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.80	6.5

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.

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

CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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con-test ANALYTICAL LABORATORY

Phone: 413-525-2332 18T1300
Fax: 413-525-6405
Email: info@contestlabs.com

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 2

MEK

Company Name:	Weston & Sampson - CT (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Eversource ER - Parsons Lane Durham
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Jeff Willson (Weston and Sampson)
Sampled By:	Will Sirotnak

Requested Turnaround Time:
7-Day ☐ 10-Day ☐
Other: Standard 5-day ☐

Rush Approval Required:
1-Day ☐ 3-Day ☑
2-Day ☐ 4-Day ☐

Data Delivery:
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs via soxhlet extraction										
1	C-1	10/25/18	1100		X	O	U	X										
2	C-2		1110					X										
3	C-3		1120					X										
4	C-4		1130					X										
5	C-5		1140					X										
6	C-6		1150					X										
7	C-7		1200					X										
8	C-8		1210					X										
9	C-9		1220					X										
10	C-10		1230					X										

1	# of Containers
I	[2] Preservation Code
A	[3] Container Code

Dissolved Metals Samples:
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples:
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)
Concrete

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:

Please send results to L. Yellen (yellenl@wseinc.com) at Weston & Sampson.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 10/25/18 1600
Received by: (signature)	Date/Time: 1600 10-25-18
Relinquished by: (signature)	Date/Time: 1730 10-25-18
Received by: (signature) 10-25-18 17	Date/Time: 30 6-8
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements:
MA
CT CTDEEP RSRs (includes RES DEC and IC DEC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID #

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

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Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 2

Company Name:	Weston & Sampson - CT (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Eversource ER - Parsons Lane Durham
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Jeff Willson (Weston and Sampson)
Sampled By:	Will Sirotnak

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Other: Standard 5-day ☐

RUSH Approval Required
1-Day ☐ 3-Day ☑
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1] Matrix Code	Conc Code	PCBs via soxhlet extraction	1	I	A	# of Containers
11	C-11	10/25/18	1240		X	O	U	X				[2] Preservation Code
12	Dup-1	1	—		X	O	U	X				[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)
Concrete

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Please send results to L. Yellen (yellenl@wseinc.com) at Weston & Sampson.

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature)	10/25/18 1600
Received by: (signature)	10-25-18 1600
Relinquished by: (signature)	10-25-18 1730
Received by: (signature)	10-25-18 1730
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements
MA
CT CTDEEP RSRs (includes RES DEC and IC DEC)
Other

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client: Weston & Sampson

Received By: ESO Date: 10-25-18 Time: 17:30

How were the samples received? In Cooler: T No Cooler: On Ice: T No Ice: Direct from Sampling: Ambient: Melted Ice:

Were samples within Temperature? 2-6°C: T By Gun #: 577 Actual Temp - 4.8 By Blank #: Actual Temp -

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client: T Analysis: T Sampler Name: T Project: T ID's: T Collection Dates/Times: T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified?

Are there Rushes? T Who was notified? Mike R

Are there Short Holds? F Who was notified?

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? F

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? F

Do all samples have the proper pH? NA Acid: Base:

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	1
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	11
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

con-test® ANALYTICAL LABORATORY
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October 30, 2018

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Durham, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18J1302

Enclosed are results of analyses for samples received by the laboratory on October 25, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 10/30/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18J1302

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

PROJECT LOCATION: Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
R-1	18J1302-01	Product/Solid		SW-846 8082A	
R-2	18J1302-02	Product/Solid		SW-846 8082A	
R-3	18J1302-03	Product/Solid		SW-846 8082A	

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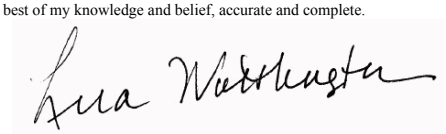
CASE NARRATIVE SUMMARY

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

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



Lisa A. Worthington
Project Manager

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

Project Location: Durham, CT | Sample Description: | Work Order: 18J1302

Date Received: 10/25/2018

Field Sample #: R-1 | Sampled: 10/25/2018 10:30

Sample ID: 18J1302-01

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1221 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1232 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1242 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1248 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1254 [2]	0.097	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1260 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1262 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL
Aroclor-1268 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 6:48	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	97.4	30-150		10/30/18 6:48
Decachlorobiphenyl [2]	121	30-150		10/30/18 6:48
Tetrachloro-m-xylene [1]	93.9	30-150		10/30/18 6:48
Tetrachloro-m-xylene [2]	96.1	30-150		10/30/18 6:48

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1302

Date Received: 10/25/2018

Field Sample #: R-2 | Sampled: 10/25/2018 10:40

Sample ID: 18J1302-02

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1221 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1232 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1242 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1248 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1254 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1260 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1262 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL
Aroclor-1268 [1]	ND	0.077	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:05	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	86.5	30-150		10/30/18	7:05
Decachlorobiphenyl [2]	106	30-150		10/30/18	7:05
Tetrachloro-m-xylene [1]	90.2	30-150		10/30/18	7:05
Tetrachloro-m-xylene [2]	92.1	30-150		10/30/18	7:05

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Project Location: Durham, CT | Sample Description: | Work Order: 18J1302

Date Received: 10/25/2018

Field Sample #: R-3 | Sampled: 10/25/2018 10:50

Sample ID: 18J1302-03

Sample Matrix: Product/Solid

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1221 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1232 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1242 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1248 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1254 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1260 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1262 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL
Aroclor-1268 [1]	ND	0.073	mg/Kg	1		SW-846 8082A	10/25/18	10/30/18 7:23	KAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.7	30-150		10/30/18 7:23
Decachlorobiphenyl [2]	103	30-150		10/30/18 7:23
Tetrachloro-m-xylene [1]	95.1	30-150		10/30/18 7:23
Tetrachloro-m-xylene [2]	99.0	30-150		10/30/18 7:23

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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
18J1302-01 [R-1]	B215715	2.61	10.0	10/25/18
18J1302-02 [R-2]	B215715	2.60	10.0	10/25/18
18J1302-03 [R-3]	B215715	2.74	10.0	10/25/18

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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 B215715 - SW-846 3540C										
Blank (B215715-BLK1)				Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.978*		mg/Kg	1.00		97.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.29*		mg/Kg	1.00		129	30-150			
Surrogate: Tetrachloro-m-xylene	*0.936*		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.02*		mg/Kg	1.00		102	30-150			
LCS (B215715-BS1)				Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	0.93	0.10	mg/Kg	1.00		93.5	40-140			
Aroclor-1016 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140			
Aroclor-1260	0.88	0.10	mg/Kg	1.00		88.2	40-140			
Aroclor-1260 [2C]	1.0	0.10	mg/Kg	1.00		103	40-140			
Surrogate: Decachlorobiphenyl	*0.972*		mg/Kg	1.00		97.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.27*		mg/Kg	1.00		127	30-150			
Surrogate: Tetrachloro-m-xylene	*0.922*		mg/Kg	1.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.984*		mg/Kg	1.00		98.4	30-150			
LCS Dup (B215715-BSD1)				Prepared: 10/25/18 Analyzed: 10/30/18						
Aroclor-1016	1.0	0.10	mg/Kg	1.00		100	40-140	6.99	30	
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	1.00		111	40-140	8.00	30	
Aroclor-1260	0.99	0.10	mg/Kg	1.00		98.6	40-140	11.1	30	
Aroclor-1260 [2C]	1.1	0.10	mg/Kg	1.00		114	40-140	10.0	30	
Surrogate: Decachlorobiphenyl	*1.06*		mg/Kg	1.00		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.36*		mg/Kg	1.00		136	30-150			
Surrogate: Tetrachloro-m-xylene	*0.957*		mg/Kg	1.00		95.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.02*		mg/Kg	1.00		102	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

R-1

Lab Sample ID: 18J1302-01 Date(s) Analyzed: 10/30/2018 10/30/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.092	
	2	0.000	0.000	0.000	0.097	5.3

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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 Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

MEK

con-test ANALYTICAL LABORATORY

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

185302

http://www.contestlabs.com

Doc # 381 Rev 0 5 8 2015

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:	Weston & Sampson - CT (for Eversource Energy)
Address:	273 Dividend Road, Rocky Hill, CT 06067
Phone:	(860) 513-1473
Project Name:	Eversource ER - Parsons Lane Durham
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Bid:	n/a
Invoice Recipient:	Jeff Willson (Weston and Sampson)
Sampled By:	Will Sirotnak

Requested Turnaround Time:
7-Day ☐ 10-Day ☐
Other: Standard 5-day ☐

Rush Approval Required:
1-Day ☐ 3-Day ☑
2-Day ☐ 4-Day ☐

Data Delivery:
Format: PDF ☑ EXCEL ☑
Other:
Enhanced Data Package Required: ☐
Email To: yellenl@wseinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCBs via soxhlet extraction										
1	R-1	10/25/18	1030		X	O	U	X										
2	R-2	↓	1040		↓	↓	↓	X										
3	R-3	↓	1050		↓	↓	↓	X										

ANALYSIS REQUESTED

1																		
I																		
A																		

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples:
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples:
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil/Solid
SL = Sludge
O = Other (please define)
____Stone____

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)
_____

Comments:

Please send results to L. Yellen (yellenl@wseinc.com) at Weston & Sampson.

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature) 10/25/18	Date/Time: 1600
Received by: (signature) 10-24-18	Date/Time: 1600
Relinquished by: (signature) 1730	Date/Time: 10-25-18
Received by: (signature) 13:30 4-8	Date/Time: 10-25-18
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements:
MA
GW
CTDEEP RSRs (includes RES DEC and IC DEC)
Other:

Program Information
○ MCP Analytical Certification Form Required
● RCP Analysis Certification Form Required
○ MA State DW Form Required
PWSID # _____

NELAC and AIHA-LAP, LLC Accredited

TURNAROUND TIME (BUSINESS DAYS) STARTS AT 9:00 AM THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON THIS CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME CANNOT START UNTIL ALL QUESTIONS HAVE BEEN ANSWERED.

PLEASE BE CAREFUL NOT TO CONTAMINATE THIS DOCUMENT

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By ESD Date 10-25-18 Time 17:30

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 577 Actual Temp - 4.8
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? T Who was notified? MIKE R.
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? F MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	3
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Durham, CT

Project Number: 18J1302

Laboratory Sample ID(s):
18J1302-01 thru 18J1302-03

Sample Date(s):
10/25/2018

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.

Lisa A. Worthington

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: Lisa Worthington **Position:** Project Manager

Printed Name: Lisa A. Worthington **Date:** 10/30/18

Name of Laboratory: Con-Test Analytical Laboratory

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

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

November 28, 2018

FOR: Attn: Mr. Jeff Willson
Weston & Sampson
273 Dividend Rd
Rocky Hill, CT 06067

Sample Information		Custody Information		Date	Time
Matrix:	RAW WATER	Collected by:		11/20/18	9:00
Location Code:	WESTSAMP	Received by:	CP	11/21/18	11:44
Rush Request:	72 Hour	Analyzed by:	see "By" below		
P.O.#:					

Laboratory Data

SDG ID: GCC01512
Phoenix ID: CC01512

Project ID: PARSON LN
Client ID: SP-1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
PCB Extraction	Completed				11/21/18		SW3510C
Polychlorinated Biphenyls							
PCB-1016	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1221	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1232	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1242	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1248	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1254	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1260	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1262	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
PCB-1268	ND	0.47	ug/L	1	11/28/18	AW	SW8082A
QA/QC Surrogates							
% DCBP	76		%	1	11/28/18	AW	30 - 150 %
% TCMX	74		%	1	11/28/18	AW	30 - 150 %

Project ID: PARSON LN
Client ID: SP-1

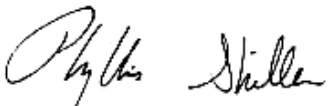
Phoenix I.D.: CC01512

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

If there are any questions regarding this data, please call Phoenix Client Services.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director
November 28, 2018
Official Report Release To Follow

Wednesday, November 28, 2018

Sample Criteria Exceedances Report

GCC01512 - WESTSAMP

Criteria: CT: GAM, GBM, GWP, I/C, RC, SWP

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this exceedance report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

PHOENIX
Environmental Laboratories, Inc.

CHAIN OF CUSTODY RECORD

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Temp 1.3 °C Pg of

Data Delivery/Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email:

Customer: Weston & Sampson
Address: 273 Dividend Rd
Rocky Hill CT

Project: Parson Ln
Report to: Jeff Willson
Invoice to: Jeff Willson

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature _____ Date: _____

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	TCB's (50+List)	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container ( ) oz	GL Soil container ( ) oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml [ ] 1000ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
01512	SP-1	RW	11/20	900	X						2						

Relinquished by: **Accepted by:**

Date:	Time:
11/20/18	7:50
11/21/18	1144

Comments, Special Requirements or Regulations:
Septic water
Email to willsonj@wseinc.com
barrett@wseinc.com

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[ ] 3 Days*
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[X] GW Protection
[X] SW Protection
[X] GA Mobility
[X] GB Mobility
[X] Residential DEC
[X] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: _____

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other
* SURCHARGE APPLIES

Cooler: Yes [X] No [ ]
Coolant: IPK [X] ICE [ ] No [ ]

CHAIN OF CUSTODY RECORD

Temp 1.3 °C Pg of

PHOENIX
Environmental Laboratories, Inc.

587 East Middle Turnpike, P.O. Box 370, Manchester, CT 06040
Email: info@phoenixlabs.com Fax (860) 645-0823
Client Services (860) 645-8726

Data Delivery/Contact Options:
[ ] Fax:
[ ] Phone:
[X] Email:

Customer: Weston & Sampson
Address: 273 Dividend Rd
Rocky Hill CT

Project: Parson Ln
Report to: Jeff Willson
Invoice to: Jeff Willson

Project P.O:

This section MUST be completed with Bottle Quantities.

Client Sample - Information - Identification

Sampler's Signature _____ Date: _____

Matrix Code:
DW=Drinking Water **GW**=Ground Water **SW**=Surface Water **WW**=Waste Water
RW=Raw Water **SE**=Sediment **SL**=Sludge **S**=Soil **SD**=Solid **W**=Wipe **OIL**=Oil
B=Bulk **L**=Liquid

Analysis Request

PHOENIX USE ONLY SAMPLE #	Customer Sample Identification	Sample Matrix	Date Sampled	Time Sampled	PCBs (50 Aroclors)	GL Amber 8 oz. w/H3PO4	Soil VOA Vials [ ] methanol [ ] H2O	GL Soil container [ ] oz	GL Soil container [ ] oz	40 ml VOA Vial [ ] As is [ ] HCl	GL Amber 1000ml [X] As is [ ] H2SO4	PL As is [ ] 250ml [ ] 500ml [ ] 1000ml	PL H2SO4 [ ] 250ml [ ] 500ml	PL HNO3 250ml	PL NaOH 250ml	Bacteria Bottle w/thio	Bacteria Bottle as is
01512	SP-1	RW	11/20	900	X					2							

Relinquished by:	Accepted by:	Date:	Time:
[signature]	[signature]	11/20/18	7:50
	[signature]	11-21-18	1144

Comments, Special Requirements or Regulations:
Septic water
Email to willsonj@wseinc.com
barrettg@wseinc.com

Turnaround:
[ ] 1 Day*
[ ] 2 Days*
[X] 3 Days* (ANS)
[ ] Standard
[ ] Other
* SURCHARGE APPLIES

RI
[ ] Direct Exposure (Residential)
[ ] GW
[ ] Other

CT
[X] RCP Cert
[X] GW Protection
[X] SW Protection
[X] GA Mobility
[X] GB Mobility
[X] Residential DEC
[X] I/C DEC
[ ] Other

MA
[ ] MCP Certification
[ ] GW-1
[ ] GW-2
[ ] GW-3
[ ] S-1
[ ] S-2
[ ] S-3
[ ] MWRA eSMART
[ ] Other

State where samples were collected: _____

Data Format
[X] Excel
[X] PDF
[ ] GIS/Key
[ ] EQuIS
[ ] Other

Data Package
[ ] Tier II Checklist
[ ] Full Data Package*
[ ] Phoenix Std Report
[ ] Other

* SURCHARGE APPLIES

Bobbi Aloisa

From: Barrett, Abigail <BarrettA@wseinc.com>
Sent: Monday, November 26, 2018 12:28 PM
To: Bobbi Aloisa
Subject: Re: Weston & Sampson Samples

Yes please. Sorry it was supposed to be marked as rush.

Get Outlook for iOS

From: Bobbi Aloisa <bobbi@phoenixlabs.com>
Sent: Monday, November 26, 2018 12:27 PM
To: Barrett, Abigail
Subject: RE: Weston & Sampson Samples

The chain is not marked for a rush. Would you like me to change it to rush? 3 day rush would have put it due on the 28th

LMK

GCC01512

Bobbi Aloisa
Vice President
Director of Client Services
Phoenix Environmental Laboratories
587 East Middle Turnpike
Manchester, CT 06040
Ph: 860-645-8728

From: Barrett, Abigail [mailto:BarrettA@wseinc.com]
Sent: Monday, November 26, 2018 11:44 AM
To: Bobbi Aloisa
Subject: Weston & Sampson Samples

Hi Bobbi,

I was wondering if you were able to give me an update on the Septic sample (Durham, CT) that was picked up Wednesday 11/21. We had a 3 day TAT on that, I know the holidays get in the way of that but our client was just looking for an update.

Thank you,

Abigail Barrett
GEOLOGIST



237 Dividend Rd
Rocky Hill, CT
www.westonandsampson.com
Office: 508-762-1676 x2502
Direct: 860-956-6949

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

April 22, 2019

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Durham, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18K0972

Enclosed are results of analyses for samples received by the laboratory on November 21, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 4/22/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18K0972

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

PROJECT LOCATION: Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
GP-1 (6-7)	18K0972-01	Soil		SM 2540G	
				SW-846 8082A	
GP-2 (6-7)	18K0972-02	Soil		SM 2540G	
				SW-846 8082A	
GP-3 (6-7)	18K0972-03	Soil		SM 2540G	
				SW-846 8082A	
GP-4 (6-7)	18K0972-04	Soil		SM 2540G	
				SW-846 8082A	
GP-5 (6-7)	18K0972-05	Soil		SM 2540G	
				SW-846 8082A	
GP-6 (6-7)	18K0972-06	Soil		SM 2540G	
				SW-846 8082A	
DUP-4	18K0972-07	Soil		SM 2540G	
				SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

REVISED REPORT- 4/22/19- 18K0972-07 sample ID revised per clients request.

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



Meghan E. Kelley
Project Manager

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

Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-1 (6-7) | Sampled: 11/20/2018 12:00

Sample ID: 18K0972-01

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	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1221 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1232 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1242 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1248 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1254 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1260 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1262 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB
Aroclor-1268 [1]	ND	0.088	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:40	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.4	30-150		11/26/18 16:40
Decachlorobiphenyl [2]	93.6	30-150		11/26/18 16:40
Tetrachloro-m-xylene [1]	79.2	30-150		11/26/18 16:40
Tetrachloro-m-xylene [2]	88.8	30-150		11/26/18 16:40

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-1 (6-7) | Sampled: 11/20/2018 12:00

Sample ID: 18K0972-01

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	89.1		% Wt	1		SM 2540G	11/26/18	11/26/18 23:19	AVF

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-2 (6-7) | Sampled: 11/20/2018 12:30

Sample ID: 18K0972-02

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	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1221 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1232 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1242 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1248 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1254 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1260 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1262 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB
Aroclor-1268 [1]	ND	0.082	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 16:58	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	95.6	30-150		11/26/18 16:58
Decachlorobiphenyl [2]	109	30-150		11/26/18 16:58
Tetrachloro-m-xylene [1]	77.5	30-150		11/26/18 16:58
Tetrachloro-m-xylene [2]	87.3	30-150		11/26/18 16:58

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

Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-2 (6-7) | Sampled: 11/20/2018 12:30

Sample ID: 18K0972-02

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	91.6		% Wt	1		SM 2540G	11/26/18	11/26/18 23:19	AVF

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-3 (6-7) | Sampled: 11/20/2018 13:00

Sample ID: 18K0972-03

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	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:16	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.0	30-150		11/26/18 17:16
Decachlorobiphenyl [2]	99.6	30-150		11/26/18 17:16
Tetrachloro-m-xylene [1]	78.5	30-150		11/26/18 17:16
Tetrachloro-m-xylene [2]	88.1	30-150		11/26/18 17:16

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

Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-3 (6-7) | Sampled: 11/20/2018 13:00

Sample ID: 18K0972-03

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	11/26/18	11/26/18 23:19	AVF

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

Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-4 (6-7) | Sampled: 11/20/2018 13:30

Sample ID: 18K0972-04

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	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:35	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.4	30-150		11/26/18 17:35
Decachlorobiphenyl [2]	102	30-150		11/26/18 17:35
Tetrachloro-m-xylene [1]	83.1	30-150		11/26/18 17:35
Tetrachloro-m-xylene [2]	93.8	30-150		11/26/18 17:35

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-4 (6-7) | Sampled: 11/20/2018 13:30

Sample ID: 18K0972-04

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	83.1		% Wt	1		SM 2540G	11/26/18	11/26/18 23:20	AVF

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-5 (6-7) | Sampled: 11/20/2018 14:00

Sample ID: 18K0972-05

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	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1221 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1232 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1242 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1248 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1254 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1260 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1262 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB
Aroclor-1268 [1]	ND	0.085	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 17:53	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.5	30-150		11/26/18 17:53
Decachlorobiphenyl [2]	107	30-150		11/26/18 17:53
Tetrachloro-m-xylene [1]	86.2	30-150		11/26/18 17:53
Tetrachloro-m-xylene [2]	97.3	30-150		11/26/18 17:53

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-5 (6-7) | Sampled: 11/20/2018 14:00

Sample ID: 18K0972-05

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	87.2		% Wt	1		SM 2540G	11/26/18	11/26/18 23:20	AVF

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-6 (6-7) | Sampled: 11/20/2018 14:30

Sample ID: 18K0972-06

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	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1221 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1232 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1242 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1248 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1254 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1260 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1262 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB
Aroclor-1268 [1]	ND	0.087	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:11	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.8	30-150		11/26/18 18:11
Decachlorobiphenyl [2]	105	30-150		11/26/18 18:11
Tetrachloro-m-xylene [1]	79.7	30-150		11/26/18 18:11
Tetrachloro-m-xylene [2]	89.6	30-150		11/26/18 18:11

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: GP-6 (6-7) | Sampled: 11/20/2018 14:30

Sample ID: 18K0972-06

Sample Matrix: Soil

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	85.7		% Wt	1		SM 2540G	11/26/18	11/26/18 23:20	AVF

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: DUP-4 | Sampled: 11/20/2018 00:00

Sample ID: 18K0972-07

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	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1221 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1232 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1242 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1248 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1254 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1260 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1262 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB
Aroclor-1268 [1]	ND	0.091	mg/Kg dry	4		SW-846 8082A	11/24/18	11/26/18 18:29	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.6	30-150		11/26/18 18:29
Decachlorobiphenyl [2]	106	30-150		11/26/18 18:29
Tetrachloro-m-xylene [1]	83.3	30-150		11/26/18 18:29
Tetrachloro-m-xylene [2]	93.8	30-150		11/26/18 18:29

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0972

Date Received: 11/21/2018

Field Sample #: DUP-4 | Sampled: 11/20/2018 00:00

Sample ID: 18K0972-07

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	80.5		% Wt	1		SM 2540G	11/26/18	11/26/18 23:20	AVF

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18K0972-01 [GP-1 (6-7)]	B217826	11/26/18
18K0972-02 [GP-2 (6-7)]	B217826	11/26/18
18K0972-03 [GP-3 (6-7)]	B217826	11/26/18
18K0972-04 [GP-4 (6-7)]	B217826	11/26/18
18K0972-05 [GP-5 (6-7)]	B217826	11/26/18
18K0972-06 [GP-6 (6-7)]	B217826	11/26/18
18K0972-07 [DUP-4]	B217826	11/26/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18K0972-01 [GP-1 (6-7)]	B217770	10.2	10.0	11/24/18
18K0972-02 [GP-2 (6-7)]	B217770	10.6	10.0	11/24/18
18K0972-03 [GP-3 (6-7)]	B217770	10.6	10.0	11/24/18
18K0972-04 [GP-4 (6-7)]	B217770	10.5	10.0	11/24/18
18K0972-05 [GP-5 (6-7)]	B217770	10.8	10.0	11/24/18
18K0972-06 [GP-6 (6-7)]	B217770	10.7	10.0	11/24/18
18K0972-07 [DUP-4]	B217770	10.9	10.0	11/24/18

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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 B217770 - SW-846 3540C										
Blank (B217770-BLK1)				Prepared: 11/24/18 Analyzed: 11/26/18						
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	*0.142*		mg/Kg wet	0.200		71.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.163*		mg/Kg wet	0.200		81.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.126*		mg/Kg wet	0.200		63.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.134*		mg/Kg wet	0.200		67.1	30-150			
LCS (B217770-BS1)				Prepared: 11/24/18 Analyzed: 11/26/18						
Aroclor-1016	0.13	0.020	mg/Kg wet	0.200		65.8	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		78.2	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		69.0	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		77.7	40-140			
Surrogate: Decachlorobiphenyl	*0.165*		mg/Kg wet	0.200		82.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.187*		mg/Kg wet	0.200		93.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.148*		mg/Kg wet	0.200		73.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.158*		mg/Kg wet	0.200		79.1	30-150			
LCS Dup (B217770-BSD1)				Prepared: 11/24/18 Analyzed: 11/26/18						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		74.7	40-140	12.7	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.5	40-140	12.4	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.2	40-140	12.5	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		89.4	40-140	14.0	30	
Surrogate: Decachlorobiphenyl	*0.183*		mg/Kg wet	0.200		91.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.207*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.161*		mg/Kg wet	0.200		80.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.173*		mg/Kg wet	0.200		86.5	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 B217826 - % Solids										
Duplicate (B217826-DUP3)	**Source: 18K0972-03**			Prepared & Analyzed: 11/26/18						
% Solids	82.9		% Wt		84.1			1.50	20	
Duplicate (B217826-DUP7)	**Source: 18K0972-04**			Prepared & Analyzed: 11/26/18						
% Solids	83.9		% Wt		83.1			0.963	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B217770-BS1 Date(s) Analyzed: 11/26/2018 11/26/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.16	20.7
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.16	13.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B217770-BSD1 Date(s) Analyzed: 11/26/2018 11/26/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.18	18.2
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

1EK0972

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CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

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Page 1 of 1

MEK

Company Name: Weston & Sampson
Address: 273 Dividend Rd
Phone: 1 800 SAMPSON
Project Name: Parsons Ln
Project Location: Durham CT
Project Number:
Project Manager: Jeff Willson
Con-Test Quote Name/Number:
Invoice Recipient: Jeff Willson
Sampled By: AVB

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Prior Approval Required
1-Day ☐ 3-Day ☒
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	Soxhlet
01	GP-1 (6-7')	11/20	1200		X	S	4	X
02	GP-2 (6-7')		1230					X
03	GP-3 (6-7')		1300					X
04	GP-4 (6-7')		1330					X
05	GP-5 (6-7')		1400					X
06	~~GP-6~~ GP-6 (6-7')		1430					X
07	DUP-1							X

# of Containers
[2] Preservation Code
[3] Container Code

Soil/Solid/Waste Samples
O Field Filtered
O Lab to Filter

Drinking/Ground Water Samples
O Field Filtered
O Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
email to
willsonj@wseinc.com
barretta@wseinc.com
3 DAY TAT
EVERSOURCE
Case Prices

Please use the following codes to indicate possible sample concentration within the **Conc Code** column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
	11/21/18		11/21/18 815
Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:
	11/21/18		11/21/18 1650
Relinquished by: (signature)	Date/Time:	Received by: (signature)	Date/Time:

3.7°C

Detection Limit Requirements
MA
RES DEC
CT
RCP
IC DEC GB PNC
Other

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☒ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By BLF Date 11/21/18 Time 1650

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 3.7°C
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? T Who was notified? Brie
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	7
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Durham, CT

Project Number: 18K0972

Laboratory Sample ID(s):

18K0972-01 thru 18K0972-07

Sample Date(s):

11/20/2018

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.

Lisa A. Worthington

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: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **11/27/18**

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

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

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

January 22, 2019

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 27 Parsons Ln, Durham, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 19A0438

Enclosed are results of analyses for samples received by the laboratory on January 10, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 1/22/2019

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19A0438

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

PROJECT LOCATION: 27 Parsons Ln, Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
C-9	19A0438-01	Concrete		SW-846 8082A	
C-10	19A0438-02	Concrete		SW-846 8082A	
C-11	19A0438-03	Concrete		SW-846 8082A	
C-12	19A0438-04	Concrete		SW-846 8082A	
C-13	19A0438-05	Concrete		SW-846 8082A	
C-14	19A0438-06	Concrete		SW-846 8082A	
C-15	19A0438-07	Concrete		SW-846 8082A	
C-16	19A0438-08	Concrete		SW-846 8082A	
C-17	19A0438-09	Concrete		SW-846 8082A	
C-18	19A0438-10	Concrete		SW-846 8082A	
C-19	19A0438-11	Concrete		SW-846 8082A	
C-20	19A0438-12	Concrete		SW-846 8082A	
C-21	19A0438-13	Concrete		SW-846 8082A	
C-22	19A0438-14	Concrete		SW-846 8082A	
C-23	19A0438-15	Concrete		SW-846 8082A	
C-24	19A0438-16	Concrete		SW-846 8082A	
C-25	19A0438-17	Concrete		SW-846 8082A	
C-26	19A0438-18	Concrete		SW-846 8082A	
C-27	19A0438-19	Concrete		SW-846 8082A	
C-28	19A0438-20	Concrete		SW-846 8082A	
C-29	19A0438-21	Concrete		SW-846 8082A	
C-30	19A0438-22	Concrete		SW-846 8082A	
C-31	19A0438-23	Concrete		SW-846 8082A	
DUP-2	19A0438-24	Concrete		SW-846 8082A	
DUP-3	19A0438-25	Concrete		SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

REVISED REPORT - 1/22/2019 - Laboratory revised reported results for sample 19A0438-16.

REVISED REPORT - 1/21/2019 - Per clients request, please change matrix of 19A0438-01, -13 & -16 to product/solid (concrete).

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.



Meghan E. Kelley
Project Manager

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

Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-9
Sampled: 1/9/2019 10:32

Sample ID: 19A0438-01

Sample Matrix: Concrete

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	4		SW-846 8082A	1/11/19	1/15/19 16:07	AYH
Aroclor-1221 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:07	AYH
Aroclor-1232 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:07	AYH
Aroclor-1242 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:07	AYH
Aroclor-1248 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:07	AYH
Aroclor-1254 [2]	0.13	0.11	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:07	AYH
Aroclor-1260 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:07	AYH
Aroclor-1262 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:07	AYH
Aroclor-1268 [1]	ND	0.11	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:07	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.0	30-150		1/15/19 16:07
Decachlorobiphenyl [2]	99.6	30-150		1/15/19 16:07
Tetrachloro-m-xylene [1]	82.8	30-150		1/15/19 16:07
Tetrachloro-m-xylene [2]	76.6	30-150		1/15/19 16:07

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-10 | Sampled: 1/9/2019 09:45

Sample ID: 19A0438-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:53	AYH
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:53	AYH
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:53	AYH
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:53	AYH
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:53	AYH
Aroclor-1254 [2]	0.13	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:53	AYH
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:53	AYH
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:53	AYH
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:53	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.9	30-150		1/18/19 19:53
Decachlorobiphenyl [2]	97.0	30-150		1/18/19 19:53
Tetrachloro-m-xylene [1]	81.1	30-150		1/18/19 19:53
Tetrachloro-m-xylene [2]	84.3	30-150		1/18/19 19:53

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Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-11
Sampled: 1/9/2019 09:47

Sample ID: 19A0438-03

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:11	AYH
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:11	AYH
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:11	AYH
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:11	AYH
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:11	AYH
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:11	AYH
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:11	AYH
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:11	AYH
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:11	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.0	30-150		1/18/19 20:11
Decachlorobiphenyl [2]	94.1	30-150		1/18/19 20:11
Tetrachloro-m-xylene [1]	80.7	30-150		1/18/19 20:11
Tetrachloro-m-xylene [2]	84.3	30-150		1/18/19 20:11

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Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-12
Sampled: 1/9/2019 09:48

Sample ID: 19A0438-04

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:29	AYH
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:29	AYH
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:29	AYH
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:29	AYH
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:29	AYH
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:29	AYH
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:29	AYH
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:29	AYH
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:29	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	92.9	30-150		1/18/19 20:29
Decachlorobiphenyl [2]	97.7	30-150		1/18/19 20:29
Tetrachloro-m-xylene [1]	85.3	30-150		1/18/19 20:29
Tetrachloro-m-xylene [2]	88.1	30-150		1/18/19 20:29

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Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-13
Sampled: 1/9/2019 09:49

Sample ID: 19A0438-05

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:12	AYH
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:12	AYH
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:12	AYH
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:12	AYH
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:12	AYH
Aroclor-1254 [2]	0.11	0.095	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:12	AYH
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:12	AYH
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:12	AYH
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:12	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.0	30-150		1/18/19 17:12
Decachlorobiphenyl [2]	87.8	30-150		1/18/19 17:12
Tetrachloro-m-xylene [1]	77.0	30-150		1/18/19 17:12
Tetrachloro-m-xylene [2]	83.5	30-150		1/18/19 17:12

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-14 | Sampled: 1/9/2019 09:55

Sample ID: 19A0438-06

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:30	AYH
Aroclor-1221 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:30	AYH
Aroclor-1232 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:30	AYH
Aroclor-1242 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:30	AYH
Aroclor-1248 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:30	AYH
Aroclor-1254 [2]	0.24	0.086	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:30	AYH
Aroclor-1260 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:30	AYH
Aroclor-1262 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:30	AYH
Aroclor-1268 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:30	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.5	30-150		1/18/19 17:30
Decachlorobiphenyl [2]	87.1	30-150		1/18/19 17:30
Tetrachloro-m-xylene [1]	75.1	30-150		1/18/19 17:30
Tetrachloro-m-xylene [2]	81.7	30-150		1/18/19 17:30

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

Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-15
Sampled: 1/9/2019 09:59

Sample ID: 19A0438-07

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:47	AYH
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:47	AYH
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:47	AYH
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:47	AYH
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:47	AYH
Aroclor-1254 [1]	0.27	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:47	AYH
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:47	AYH
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:47	AYH
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 17:47	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	78.4	30-150		1/18/19 17:47
Decachlorobiphenyl [2]	78.2	30-150		1/18/19 17:47
Tetrachloro-m-xylene [1]	69.1	30-150		1/18/19 17:47
Tetrachloro-m-xylene [2]	75.4	30-150		1/18/19 17:47

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

Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-16 | Sampled: 1/9/2019 10:02

Sample ID: 19A0438-08

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:05	AYH
Aroclor-1221 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:05	AYH
Aroclor-1232 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:05	AYH
Aroclor-1242 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:05	AYH
Aroclor-1248 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:05	AYH
Aroclor-1254 [1]	0.21	0.088	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:05	AYH
Aroclor-1260 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:05	AYH
Aroclor-1262 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:05	AYH
Aroclor-1268 [1]	ND	0.088	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:05	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.9	30-150		1/18/19 18:05
Decachlorobiphenyl [2]	69.4	30-150		1/18/19 18:05
Tetrachloro-m-xylene [1]	61.9	30-150		1/18/19 18:05
Tetrachloro-m-xylene [2]	67.4	30-150		1/18/19 18:05

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Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-17
Sampled: 1/9/2019 10:04

Sample ID: 19A0438-09

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:22	AYH
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:22	AYH
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:22	AYH
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:22	AYH
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:22	AYH
Aroclor-1254 [2]	0.40	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:22	AYH
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:22	AYH
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:22	AYH
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:22	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.4	30-150		1/18/19 18:22
Decachlorobiphenyl [2]	90.3	30-150		1/18/19 18:22
Tetrachloro-m-xylene [1]	75.6	30-150		1/18/19 18:22
Tetrachloro-m-xylene [2]	82.2	30-150		1/18/19 18:22

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Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438
Date Received: 1/10/2019
Field Sample #: C-18
Sampled: 1/9/2019 10:06
Sample ID: 19A0438-10
Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:40	AYH
Aroclor-1221 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:40	AYH
Aroclor-1232 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:40	AYH
Aroclor-1242 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:40	AYH
Aroclor-1248 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:40	AYH
Aroclor-1254 [2]	0.26	0.081	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:40	AYH
Aroclor-1260 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:40	AYH
Aroclor-1262 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:40	AYH
Aroclor-1268 [1]	ND	0.081	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:40	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.3	30-150		1/18/19 18:40
Decachlorobiphenyl [2]	82.3	30-150		1/18/19 18:40
Tetrachloro-m-xylene [1]	71.7	30-150		1/18/19 18:40
Tetrachloro-m-xylene [2]	77.7	30-150		1/18/19 18:40

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

Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-19
Sampled: 1/9/2019 10:08

Sample ID: 19A0438-11

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:57	AYH
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:57	AYH
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:57	AYH
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:57	AYH
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:57	AYH
Aroclor-1254 [2]	0.65	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:57	AYH
Aroclor-1260 [2]	0.14	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:57	AYH
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:57	AYH
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 18:57	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	77.4	30-150		1/18/19 18:57
Decachlorobiphenyl [2]	77.9	30-150		1/18/19 18:57
Tetrachloro-m-xylene [1]	64.9	30-150		1/18/19 18:57
Tetrachloro-m-xylene [2]	71.2	30-150		1/18/19 18:57

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

Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438
Date Received: 1/10/2019
Field Sample #: C-20
Sampled: 1/9/2019 10:10
Sample ID: 19A0438-12
Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:15	AYH
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:15	AYH
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:15	AYH
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:15	AYH
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:15	AYH
Aroclor-1254 [2]	0.25	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:15	AYH
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:15	AYH
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:15	AYH
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:15	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.5	30-150		1/18/19 19:15
Decachlorobiphenyl [2]	69.3	30-150		1/18/19 19:15
Tetrachloro-m-xylene [1]	60.6	30-150		1/18/19 19:15
Tetrachloro-m-xylene [2]	65.9	30-150		1/18/19 19:15

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

Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-21
Sampled: 1/9/2019 10:12

Sample ID: 19A0438-13

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:19	AYH
Aroclor-1221 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:19	AYH
Aroclor-1232 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:19	AYH
Aroclor-1242 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:19	AYH
Aroclor-1248 [1]	0.73	0.086	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:19	AYH
Aroclor-1254 [2]	1.0	0.086	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:19	AYH
Aroclor-1260 [2]	0.15	0.086	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:19	AYH
Aroclor-1262 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:19	AYH
Aroclor-1268 [1]	ND	0.086	mg/Kg dry	4		SW-846 8082A	1/11/19	1/15/19 16:19	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.5	30-150		1/15/19 16:19
Decachlorobiphenyl [2]	87.8	30-150		1/15/19 16:19
Tetrachloro-m-xylene [1]	67.9	30-150		1/15/19 16:19
Tetrachloro-m-xylene [2]	65.2	30-150		1/15/19 16:19

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

Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-22
Sampled: 1/9/2019 10:14

Sample ID: 19A0438-14

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:32	AYH
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:32	AYH
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:32	AYH
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:32	AYH
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:32	AYH
Aroclor-1254 [2]	0.16	0.090	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:32	AYH
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:32	AYH
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:32	AYH
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:32	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	62.1	30-150		1/18/19 19:32
Decachlorobiphenyl [2]	61.2	30-150		1/18/19 19:32
Tetrachloro-m-xylene [1]	55.8	30-150		1/18/19 19:32
Tetrachloro-m-xylene [2]	60.5	30-150		1/18/19 19:32

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Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-23
Sampled: 1/9/2019 10:16

Sample ID: 19A0438-15

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:50	AYH
Aroclor-1221 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:50	AYH
Aroclor-1232 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:50	AYH
Aroclor-1242 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:50	AYH
Aroclor-1248 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:50	AYH
Aroclor-1254 [2]	0.49	0.087	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:50	AYH
Aroclor-1260 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:50	AYH
Aroclor-1262 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:50	AYH
Aroclor-1268 [1]	ND	0.087	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 19:50	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	80.8	30-150		1/18/19 19:50
Decachlorobiphenyl [2]	81.0	30-150		1/18/19 19:50
Tetrachloro-m-xylene [1]	67.1	30-150		1/18/19 19:50
Tetrachloro-m-xylene [2]	73.5	30-150		1/18/19 19:50

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-24 | Sampled: 1/9/2019 10:18

Sample ID: 19A0438-16

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	1/11/19	1/17/19 3:28	PJG
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	1/11/19	1/17/19 3:28	PJG
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	1/11/19	1/17/19 3:28	PJG
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	1/11/19	1/17/19 3:28	PJG
Aroclor-1248 [2]	0.51	0.17	mg/Kg dry	8		SW-846 8082A	1/11/19	1/17/19 3:28	PJG
Aroclor-1254 [2]	1.4	0.17	mg/Kg dry	8		SW-846 8082A	1/11/19	1/17/19 3:28	PJG
Aroclor-1260 [2]	0.21	0.17	mg/Kg dry	8		SW-846 8082A	1/11/19	1/17/19 3:28	PJG
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	1/11/19	1/17/19 3:28	PJG
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	8		SW-846 8082A	1/11/19	1/17/19 3:28	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	93.8	30-150		1/17/19 3:28
Decachlorobiphenyl [2]	101	30-150		1/17/19 3:28
Tetrachloro-m-xylene [1]	76.3	30-150		1/17/19 3:28
Tetrachloro-m-xylene [2]	81.9	30-150		1/17/19 3:28

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

Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-25 | Sampled: 1/9/2019 10:50

Sample ID: 19A0438-17

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:55	AYH
Aroclor-1221 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:55	AYH
Aroclor-1232 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:55	AYH
Aroclor-1242 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:55	AYH
Aroclor-1248 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:55	AYH
Aroclor-1254 [2]	0.16	0.082	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:55	AYH
Aroclor-1260 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:55	AYH
Aroclor-1262 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:55	AYH
Aroclor-1268 [1]	ND	0.082	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 20:55	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	75.5	30-150		1/18/19 20:55
Decachlorobiphenyl [2]	74.6	30-150		1/18/19 20:55
Tetrachloro-m-xylene [1]	69.5	30-150		1/18/19 20:55
Tetrachloro-m-xylene [2]	76.0	30-150		1/18/19 20:55

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Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438
Date Received: 1/10/2019
Field Sample #: C-26
Sampled: 1/9/2019 10:20
Sample ID: 19A0438-18
Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:12	AYH
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:12	AYH
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:12	AYH
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:12	AYH
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:12	AYH
Aroclor-1254 [2]	0.13	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:12	AYH
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:12	AYH
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:12	AYH
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:12	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	69.7	30-150		1/18/19 21:12
Decachlorobiphenyl [2]	69.1	30-150		1/18/19 21:12
Tetrachloro-m-xylene [1]	63.6	30-150		1/18/19 21:12
Tetrachloro-m-xylene [2]	70.2	30-150		1/18/19 21:12

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

Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-27
Sampled: 1/9/2019 10:22

Sample ID: 19A0438-19

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:29	AYH
Aroclor-1221 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:29	AYH
Aroclor-1232 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:29	AYH
Aroclor-1242 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:29	AYH
Aroclor-1248 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:29	AYH
Aroclor-1254 [1]	0.22	0.089	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:29	AYH
Aroclor-1260 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:29	AYH
Aroclor-1262 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:29	AYH
Aroclor-1268 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:29	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.3	30-150		1/18/19 21:29
Decachlorobiphenyl [2]	98.4	30-150		1/18/19 21:29
Tetrachloro-m-xylene [1]	81.8	30-150		1/18/19 21:29
Tetrachloro-m-xylene [2]	88.7	30-150		1/18/19 21:29

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

Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-28
Sampled: 1/9/2019 10:24

Sample ID: 19A0438-20

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:47	AYH
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:47	AYH
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:47	AYH
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:47	AYH
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:47	AYH
Aroclor-1254 [1]	0.20	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:47	AYH
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:47	AYH
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:47	AYH
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 21:47	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.7	30-150		1/18/19 21:47
Decachlorobiphenyl [2]	99.1	30-150		1/18/19 21:47
Tetrachloro-m-xylene [1]	83.8	30-150		1/18/19 21:47
Tetrachloro-m-xylene [2]	91.8	30-150		1/18/19 21:47

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

Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-29 | Sampled: 1/9/2019 10:26

Sample ID: 19A0438-21

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:04	AYH
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:04	AYH
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:04	AYH
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:04	AYH
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:04	AYH
Aroclor-1254 [1]	0.10	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:04	AYH
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:04	AYH
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:04	AYH
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:04	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	86.3	30-150		1/18/19 22:04
Decachlorobiphenyl [2]	86.7	30-150		1/18/19 22:04
Tetrachloro-m-xylene [1]	73.6	30-150		1/18/19 22:04
Tetrachloro-m-xylene [2]	80.5	30-150		1/18/19 22:04

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

Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-30 | Sampled: 1/9/2019 10:28

Sample ID: 19A0438-22

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:22	AYH
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:22	AYH
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:22	AYH
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:22	AYH
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:22	AYH
Aroclor-1254 [1]	0.11	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:22	AYH
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:22	AYH
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:22	AYH
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:22	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	89.3	30-150		1/18/19 22:22
Decachlorobiphenyl [2]	89.3	30-150		1/18/19 22:22
Tetrachloro-m-xylene [1]	74.2	30-150		1/18/19 22:22
Tetrachloro-m-xylene [2]	80.6	30-150		1/18/19 22:22

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

Project Location: 27 Parsons Ln, Durham, CT
Sample Description:
Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: C-31
Sampled: 1/9/2019 10:30

Sample ID: 19A0438-23

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:39	AYH
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:39	AYH
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:39	AYH
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:39	AYH
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:39	AYH
Aroclor-1254 [1]	0.11	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:39	AYH
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:39	AYH
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:39	AYH
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:39	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.2	30-150		1/18/19 22:39
Decachlorobiphenyl [2]	84.2	30-150		1/18/19 22:39
Tetrachloro-m-xylene [1]	72.7	30-150		1/18/19 22:39
Tetrachloro-m-xylene [2]	79.1	30-150		1/18/19 22:39

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Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: DUP-2 | Sampled: 1/9/2019 00:00

Sample ID: 19A0438-24

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:57	AYH
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:57	AYH
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:57	AYH
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:57	AYH
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:57	AYH
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:57	AYH
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:57	AYH
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:57	AYH
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 22:57	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.6	30-150		1/18/19 22:57
Decachlorobiphenyl [2]	96.9	30-150		1/18/19 22:57
Tetrachloro-m-xylene [1]	82.8	30-150		1/18/19 22:57
Tetrachloro-m-xylene [2]	90.5	30-150		1/18/19 22:57

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

Project Location: 27 Parsons Ln, Durham, CT | Sample Description: | Work Order: 19A0438

Date Received: 1/10/2019

Field Sample #: DUP-3 | Sampled: 1/9/2019 00:00

Sample ID: 19A0438-25

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 23:14	AYH
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 23:14	AYH
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 23:14	AYH
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 23:14	AYH
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 23:14	AYH
Aroclor-1254 [1]	0.11	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 23:14	AYH
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 23:14	AYH
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 23:14	AYH
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/15/19	1/18/19 23:14	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.6	30-150		1/18/19 23:14
Decachlorobiphenyl [2]	70.4	30-150		1/18/19 23:14
Tetrachloro-m-xylene [1]	37.7	30-150		1/18/19 23:14
Tetrachloro-m-xylene [2]	41.0	30-150		1/18/19 23:14

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

Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19A0438-05 [C-13]	B221207	2.10	10.0	01/15/19
19A0438-06 [C-14]	B221207	2.33	10.0	01/15/19
19A0438-07 [C-15]	B221207	2.13	10.0	01/15/19
19A0438-08 [C-16]	B221207	2.27	10.0	01/15/19
19A0438-09 [C-17]	B221207	2.03	10.0	01/15/19
19A0438-10 [C-18]	B221207	2.48	10.0	01/15/19
19A0438-11 [C-19]	B221207	2.08	10.0	01/15/19
19A0438-12 [C-20]	B221207	2.13	10.0	01/15/19
19A0438-14 [C-22]	B221207	2.21	10.0	01/15/19
19A0438-15 [C-23]	B221207	2.31	10.0	01/15/19
19A0438-17 [C-25]	B221207	2.43	10.0	01/15/19
19A0438-18 [C-26]	B221207	2.08	10.0	01/15/19
19A0438-19 [C-27]	B221207	2.25	10.0	01/15/19
19A0438-20 [C-28]	B221207	2.02	10.0	01/15/19
19A0438-21 [C-29]	B221207	2.02	10.0	01/15/19
19A0438-22 [C-30]	B221207	2.06	10.0	01/15/19
19A0438-23 [C-31]	B221207	2.05	10.0	01/15/19
19A0438-24 [DUP-2]	B221207	2.13	10.0	01/15/19
19A0438-25 [DUP-3]	B221207	2.07	10.0	01/15/19

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19A0438-02 [C-10]	B221210	2.09	10.0	01/15/19
19A0438-03 [C-11]	B221210	2.04	10.0	01/15/19
19A0438-04 [C-12]	B221210	2.08	10.0	01/15/19

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
19A0438-01 [C-9]	B220988	10.2	10.0	01/11/19
19A0438-13 [C-21]	B220988	10.4	10.0	01/11/19
19A0438-16RE1 [C-24]	B220988	10.4	10.0	01/11/19

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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 B220988 - SW-846 3540C										
Blank (B220988-BLK1)				Prepared: 01/11/19 Analyzed: 01/15/19						
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	*0.225*		mg/Kg wet	0.200		113	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.228*		mg/Kg wet	0.200		114	30-150			
Surrogate: Tetrachloro-m-xylene	*0.189*		mg/Kg wet	0.200		94.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.182*		mg/Kg wet	0.200		91.1	30-150			
LCS (B220988-BS1)				Prepared: 01/11/19 Analyzed: 01/15/19						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		102	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		99.0	40-140			
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		92.1	40-140			
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		91.7	40-140			
Surrogate: Decachlorobiphenyl	*0.224*		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.227*		mg/Kg wet	0.200		113	30-150			
Surrogate: Tetrachloro-m-xylene	*0.178*		mg/Kg wet	0.200		89.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.173*		mg/Kg wet	0.200		86.6	30-150			
LCS Dup (B220988-BSD1)				Prepared: 01/11/19 Analyzed: 01/15/19						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		98.9	40-140	3.55	30	
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		95.5	40-140	3.52	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		88.4	40-140	4.12	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		88.1	40-140	3.91	30	
Surrogate: Decachlorobiphenyl	*0.212*		mg/Kg wet	0.200		106	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.216*		mg/Kg wet	0.200		108	30-150			
Surrogate: Tetrachloro-m-xylene	*0.175*		mg/Kg wet	0.200		87.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.169*		mg/Kg wet	0.200		84.3	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 B221207 - SW-846 3540C										
Blank (B221207-BLK1)				Prepared: 01/15/19 Analyzed: 01/18/19						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.783*		mg/Kg	1.00		78.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.763*		mg/Kg	1.00		76.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.735*		mg/Kg	1.00		73.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.792*		mg/Kg	1.00		79.2	30-150			
LCS (B221207-BS1)				Prepared: 01/15/19 Analyzed: 01/18/19						
Aroclor-1016	0.83	0.10	mg/Kg	1.00		83.5	40-140			
Aroclor-1016 [2C]	0.85	0.10	mg/Kg	1.00		85.4	40-140			
Aroclor-1260	0.76	0.10	mg/Kg	1.00		75.5	40-140			
Aroclor-1260 [2C]	0.73	0.10	mg/Kg	1.00		73.2	40-140			
Surrogate: Decachlorobiphenyl	*0.887*		mg/Kg	1.00		88.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.864*		mg/Kg	1.00		86.4	30-150			
Surrogate: Tetrachloro-m-xylene	*0.775*		mg/Kg	1.00		77.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.830*		mg/Kg	1.00		83.0	30-150			
LCS Dup (B221207-BSD1)				Prepared: 01/15/19 Analyzed: 01/18/19						
Aroclor-1016	0.74	0.10	mg/Kg	1.00		74.0	40-140	12.0	30	
Aroclor-1016 [2C]	0.77	0.10	mg/Kg	1.00		77.3	40-140	9.88	30	
Aroclor-1260	0.67	0.10	mg/Kg	1.00		66.6	40-140	12.5	30	
Aroclor-1260 [2C]	0.65	0.10	mg/Kg	1.00		64.5	40-140	12.6	30	
Surrogate: Decachlorobiphenyl	*0.764*		mg/Kg	1.00		76.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.743*		mg/Kg	1.00		74.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.702*		mg/Kg	1.00		70.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.757*		mg/Kg	1.00		75.7	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 B221207 - SW-846 3540C										
Matrix Spike (B221207-MS1)	**Source: 19A0438-12**			Prepared: 01/15/19 Analyzed: 01/18/19						
Aroclor-1016	0.87	0.10	mg/Kg	0.995	ND	87.4	40-140			
Aroclor-1016 [2C]	1.1	0.10	mg/Kg	0.995	ND	107	40-140			
Aroclor-1260	0.88	0.10	mg/Kg	0.995	ND	88.5	40-140			
Aroclor-1260 [2C]	0.91	0.10	mg/Kg	0.995	ND	91.3	40-140			
Surrogate: Decachlorobiphenyl	*0.989*		mg/Kg	0.995		99.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.999*		mg/Kg	0.995		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.847*		mg/Kg	0.995		85.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.921*		mg/Kg	0.995		92.5	30-150			
Matrix Spike Dup (B221207-MSD1)	**Source: 19A0438-12**			Prepared: 01/15/19 Analyzed: 01/19/19						
Aroclor-1016	0.84	0.098	mg/Kg	0.980	ND	85.4	40-140	3.76	50	
Aroclor-1016 [2C]	1.1	0.098	mg/Kg	0.980	ND	109	40-140	0.350	50	
Aroclor-1260	0.87	0.098	mg/Kg	0.980	ND	88.7	40-140	1.32	50	
Aroclor-1260 [2C]	0.90	0.098	mg/Kg	0.980	ND	91.6	40-140	1.13	50	
Surrogate: Decachlorobiphenyl	*0.975*		mg/Kg	0.980		99.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.982*		mg/Kg	0.980		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.801*		mg/Kg	0.980		81.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.873*		mg/Kg	0.980		89.1	30-150			
Batch B221210 - SW-846 3540C										
Blank (B221210-BLK1)				Prepared: 01/15/19 Analyzed: 01/18/19						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.918*		mg/Kg	1.00		91.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.976*		mg/Kg	1.00		97.6	30-150			
Surrogate: Tetrachloro-m-xylene	*0.852*		mg/Kg	1.00		85.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.890*		mg/Kg	1.00		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 B221210 - SW-846 3540C										
LCS (B221210-BS1)				Prepared: 01/15/19 Analyzed: 01/18/19						
Aroclor-1016	0.95	0.10	mg/Kg	1.00		95.3	40-140			
Aroclor-1016 [2C]	0.97	0.10	mg/Kg	1.00		96.5	40-140			
Aroclor-1260	0.84	0.10	mg/Kg	1.00		83.6	40-140			
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		86.6	40-140			
Surrogate: Decachlorobiphenyl	*0.936*		mg/Kg	1.00		93.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.00*		mg/Kg	1.00		100	30-150			
Surrogate: Tetrachloro-m-xylene	*0.871*		mg/Kg	1.00		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.914*		mg/Kg	1.00		91.4	30-150			
LCS Dup (B221210-BSD1)				Prepared: 01/15/19 Analyzed: 01/18/19						
Aroclor-1016	0.84	0.10	mg/Kg	1.00		83.8	40-140	12.9	30	
Aroclor-1016 [2C]	0.86	0.10	mg/Kg	1.00		86.1	40-140	11.4	30	
Aroclor-1260	0.73	0.10	mg/Kg	1.00		73.0	40-140	13.6	30	
Aroclor-1260 [2C]	0.76	0.10	mg/Kg	1.00		76.1	40-140	12.9	30	
Surrogate: Decachlorobiphenyl	*0.807*		mg/Kg	1.00		80.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.861*		mg/Kg	1.00		86.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.771*		mg/Kg	1.00		77.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.806*		mg/Kg	1.00		80.6	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-9

Lab Sample ID: 19A0438-01 Date(s) Analyzed: 01/15/2019 01/15/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.12	
	2	0.000	-0.030	0.030	0.13	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-10

Lab Sample ID: 19A0438-02 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.13	
	2	0.000	0.000	0.000	0.13	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-13

Lab Sample ID: 19A0438-05 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.096	
	2	0.000	0.000	0.000	0.11	13.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-14

Lab Sample ID: 19A0438-06 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.23	
	2	0.000	0.000	0.000	0.24	4.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-15

Lab Sample ID: 19A0438-07 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.27	
	2	0.000	0.000	0.000	0.27	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-16

Lab Sample ID: 19A0438-08 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.21	
	2	0.000	0.000	0.000	0.19	10.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-17

Lab Sample ID: 19A0438-09 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.39	
	2	0.000	0.000	0.000	0.40	2.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-18

Lab Sample ID: 19A0438-10 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.24	
	2	0.000	0.000	0.000	0.26	8.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-19

Lab Sample ID: 19A0438-11 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.61	
	2	0.000	0.000	0.000	0.65	6.4
Aroclor-1260	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.14	24.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-20

Lab Sample ID: 19A0438-12 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.23	
	2	0.000	0.000	0.000	0.25	8.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-21

Lab Sample ID: 19A0438-13 Date(s) Analyzed: 01/15/2019 01/15/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.73	
	2	0.000	-0.030	0.030	0.72	1.4
Aroclor-1254	1	0.000	-0.030	0.030	1.0	
	2	0.000	-0.030	0.030	1.0	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.10	
	2	0.000	-0.030	0.030	0.15	40.0

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

C-22

Lab Sample ID: 19A0438-14 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.16	6.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-23

Lab Sample ID: 19A0438-15 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.48	
	2	0.000	0.000	0.000	0.49	2.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-24

Lab Sample ID: 19A0438-16RE1 Date(s) Analyzed: 01/17/2019 01/17/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	-0.030	0.030	0.37	
	2	0.000	-0.030	0.030	0.51	31.8
Aroclor-1254	1	0.000	-0.030	0.030	1.3	
	2	0.000	-0.030	0.030	1.4	7.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-25

Lab Sample ID: 19A0438-17 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.16	13.3

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-26

Lab Sample ID: 19A0438-18 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.13	
	2	0.000	0.000	0.000	0.13	0.0

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

C-27

Lab Sample ID: 19A0438-19 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.22	
	2	0.000	0.000	0.000	0.20	9.5

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-28

Lab Sample ID: 19A0438-20 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.20	
	2	0.000	0.000	0.000	0.19	5.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-30

Lab Sample ID: 19A0438-22 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.11	0.0

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

C-31

Lab Sample ID: 19A0438-23 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.10	9.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

DUP-3

Lab Sample ID: 19A0438-25 Date(s) Analyzed: 01/18/2019 01/18/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.11	
	2	0.000	0.000	0.000	0.11	0.0

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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 Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

con-test® ANALYTICAL LABORATORY

MEK

19A0438

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

http://www.contestlabs.com Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

Company:	Weston & Sampson
Address:	273 Dividend Rd
Phone:	800-SAMPSON
Project Name:	27 Parsons Ln
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	AB/AK

Standard Turnaround: 7-Day ☑ 10-Day ☐ Due Date:

Rush Turnaround Pending: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐

Report Format: Format: PDF ☑ EXCEL ☑ Other:

CLP Like Data Pkg Required: ☐

Email To: willsonj@wseinc.com

Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PBCs w/Soxhelt	# of Containers	[2] Preservation Code	[3] Container Code
1	C-9	1/9/2019	~~0945~~ 1032		X	O	U	X	1	I	A
2	C-10	1/9/2019	945		X			X			
3	C-11	1/9/2019	947		X			X			
4	C-12	1/9/2019	948		X			X			
5	C-13	1/9/2019	949		X			X			
6	C-14	1/9/2019	955		X			X			
7	C-15	1/9/2019	959		X			X			
8	C-16	1/9/2019	1002		X			X			
9	C-17	1/9/2019	1004		X			X			
10	C-18	1/9/2019	1006		X			X			

Comments: Eversource Pricing

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Field Filtered ○ Lab to Filter

Field Filtered ○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 800 1/10/19	
Received by: (signature)	Date/Time: 1/10/19 10:45	
Relinquished by: (signature)	Date/Time: 1/10/19 17:27	
Received by: (signature) 2.3	Date/Time: 1-10-19 1727	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Data Turn Time Requirements: RCP GB GW PHC RES DEC

Special Requirements:
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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NELAC and AIHA-LAP, LLC Accredited

Project Entity: ☐ Government ☐ Municipality ☐ MWRA ☐ WRTA ☐ Federal ☐ 21 J ☐ School ☐ City ☐ Brownfield ☐ MBTA

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: ☑ Soxhlet ☐ Non Soxhlet

19A0438

con-test ANALYTICAL LABORATORY

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Fax: 413-525-6405
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http://www.contestlabs.com Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 3

Company:	Weston & Sampson
Address:	273 Dividend Rd
Phone:	800-SAMPSON
Project Name:	27 Parsons Ln
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	AB/AK

Turnaround Time (TAT)
7-Day ☑ 10-Day ☐
Due Date:

Rush (Pre-Approval Required)
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Report Format
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: willsonj@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PBCs w/Soxhelt	1	I	A
11	C-19	1/9/2019	1008		X	O	U	X			
12	C-20	1/9/2019	1010		X			X			
13	C-21	1/9/2019	1012		X			X			
14	C-22	1/9/2019	1014		X			X			
15	C-23	1/9/2019	1016		X			X			
16	C-24	1/9/2019	1018		X			X			
17	C-25	1/9/2019	1030		X			X			
18	C-26	1/9/2019	1020		X			X			
19	C-27	1/9/2019	1022		X			X			
20	C-28	1/9/2019	1024		X			X			

Comments: Eversource Pricing

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 1/10/19 800	
Received by: (signature)	Date/Time: 1/10/19 10:45	
Relinquished by: (signature)	Date/Time: 1/10/19 17:27	
Received by: (signature)	Date/Time: 1-10-19 1727	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Regulatory Limits Applicable To:
MA ☐
CT RES DEC
GB PMC
NH ☐
PWSID #

Special Requirements:
☐ MA MCP Required
MCP Certification Form Required
☑ CT RCP Required
RCP Certification Form Required
☐ MA State Forms Required

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☑ Soxhlet
☐ Non Soxhlet

# of Containers
[2] Preservation Code
[3] Container Code

Filtered (Dissolved Metals)
○ Field Filtered
○ Lab to Filter

Filtered (Dissolved Metals)
○ Field Filtered
○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

19A0439

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

	Weston & Sampson
Address:	273 Dividend Rd
Phone:	800-SAMPSON
	27 Parsons Ln
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	AB/AK

Turnaround Time
7-Day ☑ 10-Day ☐
Due Date:

Rush (Pre-Approval Required)
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Report Format
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: willsonj@wseinc.com
Fax To #:

ANALYTICAL REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PBCs w/Soxhelt										
21	C-29	1/9/2019	1026		X	O	U	X										
22	C-30	1/9/2019	1028		X	↓	↓	X										
23	C-31	1/9/2019	1030		X			X										
24	DUP-2	1/9/2019			X													
25	DUP-3	1/9/2019			X													
		1/9/2019			X													
		1/9/2019			X													
		1/9/2019			X													
		1/9/2019			X													
		1/9/2019			X													

Comments: Eversource Pricing

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Field Filtered ○ Lab to Filter
Field Filtered ○ Lab to Filter

[1] Matrix Codes:
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WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Relinquished by: (signature)	Date/Time: 800 1/10/19	
Received by: (signature)	Date/Time: 10:45	
Relinquished by: (signature)	Date/Time: 17:27	
Received by: (signature) 2.31 1-10-19	Date/Time: 1727	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Invoice Information
PO #:

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☑ CT RCP Required
☐ RCP Certification Form Required
☐ MA State Forms Required
PWSID #

R&S OEC
GB/BNC

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☑ Soxhlet
☐ Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston + Sampson

Received By LR Date 1-10-19 Time 1727

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2 3
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	25
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 27 Parsons Ln, Durham, CT

Project Number: 19A0438

Laboratory Sample ID(s):
19A0438-01 thru 19A0438-25

Sample Date(s):
01/09/2019

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.

Lisa A. Worthington

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: Lisa Worthington **Position:** Project Manager

Printed Name: Lisa A. Worthington **Date:** 01/21/19

Name of Laboratory: Con-Test Analytical Laboratory

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

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February 18, 2019

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 27 Parsons Lane
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 19B0468

Enclosed are results of analyses for samples received by the laboratory on February 11, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 2/18/2019

PURCHASE ORDER NUMBER: Weston & Sampson

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 19B0468

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

PROJECT LOCATION: 27 Parsons Lane

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
C-24A	19B0468-01	Concrete		SW-846 8082A	
C-21A	19B0468-02	Concrete		SW-846 8082A	

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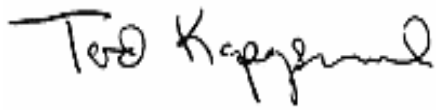
CASE NARRATIVE SUMMARY

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

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



Tod E. Kopyscinski
Laboratory Director

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Project Location: 27 Parsons Lane | Sample Description: | Work Order: 19B0468

Date Received: 2/11/2019

Field Sample #: C-24A | Sampled: 2/11/2019 11:15

Sample ID: 19B0468-01

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:23	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:23	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:23	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:23	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:23	JMB
Aroclor-1254 [2]	0.35	0.098	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:23	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:23	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:23	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:23	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.8	30-150		2/15/19 18:23
Decachlorobiphenyl [2]	80.5	30-150		2/15/19 18:23
Tetrachloro-m-xylene [1]	73.5	30-150		2/15/19 18:23
Tetrachloro-m-xylene [2]	73.8	30-150		2/15/19 18:23

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Project Location: 27 Parsons Lane | Sample Description: | Work Order: 19B0468

Date Received: 2/11/2019

Field Sample #: C-21A | Sampled: 2/11/2019 11:20

Sample ID: 19B0468-02

Sample Matrix: Concrete

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:41	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:41	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:41	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:41	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:41	JMB
Aroclor-1254 [2]	0.39	0.096	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:41	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:41	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:41	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/11/19	2/15/19 18:41	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	76.3	30-150		2/15/19 18:41
Decachlorobiphenyl [2]	73.8	30-150		2/15/19 18:41
Tetrachloro-m-xylene [1]	70.5	30-150		2/15/19 18:41
Tetrachloro-m-xylene [2]	71.7	30-150		2/15/19 18:41

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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
19B0468-01 [C-24A]	B223339	2.05	10.0	02/11/19
19B0468-02 [C-21A]	B223339	2.08	10.0	02/11/19

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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 B223339 - SW-846 3540C										
Blank (B223339-BLK1)				Prepared: 02/11/19 Analyzed: 02/14/19						
Aroclor-1016	ND	0.10	mg/Kg							
Aroclor-1016 [2C]	ND	0.10	mg/Kg							
Aroclor-1221	ND	0.10	mg/Kg							
Aroclor-1221 [2C]	ND	0.10	mg/Kg							
Aroclor-1232	ND	0.10	mg/Kg							
Aroclor-1232 [2C]	ND	0.10	mg/Kg							
Aroclor-1242	ND	0.10	mg/Kg							
Aroclor-1242 [2C]	ND	0.10	mg/Kg							
Aroclor-1248	ND	0.10	mg/Kg							
Aroclor-1248 [2C]	ND	0.10	mg/Kg							
Aroclor-1254	ND	0.10	mg/Kg							
Aroclor-1254 [2C]	ND	0.10	mg/Kg							
Aroclor-1260	ND	0.10	mg/Kg							
Aroclor-1260 [2C]	ND	0.10	mg/Kg							
Aroclor-1262	ND	0.10	mg/Kg							
Aroclor-1262 [2C]	ND	0.10	mg/Kg							
Aroclor-1268	ND	0.10	mg/Kg							
Aroclor-1268 [2C]	ND	0.10	mg/Kg							
Surrogate: Decachlorobiphenyl	*0.807*		mg/Kg	1.00		80.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.880*		mg/Kg	1.00		88.0	30-150			
Surrogate: Tetrachloro-m-xylene	*0.829*		mg/Kg	1.00		82.9	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.871*		mg/Kg	1.00		87.1	30-150			
LCS (B223339-BS1)				Prepared: 02/11/19 Analyzed: 02/14/19						
Aroclor-1016	0.78	0.10	mg/Kg	1.00		78.3	40-140			
Aroclor-1016 [2C]	0.83	0.10	mg/Kg	1.00		83.3	40-140			
Aroclor-1260	0.71	0.10	mg/Kg	1.00		70.5	40-140			
Aroclor-1260 [2C]	0.74	0.10	mg/Kg	1.00		74.2	40-140			
Surrogate: Decachlorobiphenyl	*0.737*		mg/Kg	1.00		73.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.811*		mg/Kg	1.00		81.1	30-150			
Surrogate: Tetrachloro-m-xylene	*0.712*		mg/Kg	1.00		71.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.760*		mg/Kg	1.00		76.0	30-150			
LCS Dup (B223339-BSD1)				Prepared: 02/11/19 Analyzed: 02/14/19						
Aroclor-1016	0.80	0.10	mg/Kg	1.00		80.2	40-140	2.45	30	
Aroclor-1016 [2C]	0.87	0.10	mg/Kg	1.00		87.2	40-140	4.58	30	
Aroclor-1260	0.72	0.10	mg/Kg	1.00		72.3	40-140	2.55	30	
Aroclor-1260 [2C]	0.76	0.10	mg/Kg	1.00		76.2	40-140	2.65	30	
Surrogate: Decachlorobiphenyl	*0.750*		mg/Kg	1.00		75.0	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.827*		mg/Kg	1.00		82.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.734*		mg/Kg	1.00		73.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.777*		mg/Kg	1.00		77.7	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-24A

Lab Sample ID: 19B0468-01 Date(s) Analyzed: 02/15/2019 02/15/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.35	
	2	0.000	0.000	0.000	0.35	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

C-21A

Lab Sample ID: 19B0468-02 Date(s) Analyzed: 02/15/2019 02/15/2019

Instrument ID (1): ECD3 Instrument ID (2): ECD3

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.37	
	2	0.000	0.000	0.000	0.39	5.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B223339-BS1 Date(s) Analyzed: 02/14/2019 02/14/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.78	
	2	0.000	0.000	0.000	0.83	6.2
Aroclor-1260	1	0.000	0.000	0.000	0.71	
	2	0.000	0.000	0.000	0.74	4.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B223339-BSD1 Date(s) Analyzed: 02/14/2019 02/14/2019

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.87	8.4
Aroclor-1260	1	0.000	0.000	0.000	0.72	
	2	0.000	0.000	0.000	0.76	5.4

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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 Product/Solid	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA
SW-846 8082A in Soil	
Aroclor-1016	CT,NH,NY,ME,NC,VA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

con-test ANALYTICAL LABORATORY

MEK

Phone: 413-525-2332 1913048
Fax: 413-525-6405
Email: info@contestlabs.com

http://www.contestlabs.com

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company Name:
Address: 293 Dividend Rd
Phone: 860 513 1493
Project Name: 29 Parsons Ln - ER
Project Location: 29 Parsons Ln
Project Number:
Project Manager: Jeff Willson
Con-Test Quote Name/Number:
Invoice Recipient:
Sampled By: Jeff Willson

Requested Turnaround Time
7-Day [X] 10-Day [ ]
Due Date:

Rush Approval Required
1-Day [ ] 3-Day [ ]
2-Day [ ] 4-Day [ ]

Data Delivery
Format: PDF [X] EXCEL [X]
Other:
CLP Like Data Pkg Required: [ ]
Email To:
Fax To #:

ANALYSIS REQUESTED

PCBs w/ Soxhlet

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	1	2	3	4	5	6	7	8	9	10	11	12	# of Containers / [2]Preservation Code / [3]Container Code
1	C-24A	2/11/19	1115		X	O	U	X												
2	C-21A	2/11/19	1120		X	O	U	X												

Dissolved Metals Samples
O Field Filtered
O Lab to Filter

Orthophosphate Samples
O Field Filtered
O Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)
Concrete

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Eversource Pricing
email to barretta@cwseinc.com 3
willsonj@cwseinc.com
*concrete samples

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature)	2/11/19
Received by: (signature)	2/11/19 1545
Relinquished by: (signature)	2/11/19 1730
Received by: (signature)	2/11/19 17:30
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA
CT
Other

Special Requirements
[ ] MA MCP Required
MCP Certification Form Required
[X] CT RCP Required
RCP Certification Form Required
[ ] MA State DW Required
PWSID #

RES DEC
GA PMC

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
[ ] Government [ ] Municipality [ ] MWRA [ ] WRTA
[ ] Federal [ ] 21 J [ ] School
[ ] City [ ] Brownfield [ ] MBTA

Other
[ ] Chromatogram
[ ] AIHA-LAP, LLC

PCB ONLY
[X] Soxhlet
[ ] Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client W+S

Received By MP Date 2/11/19 Time 17:30

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 4.6
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? N/A Were Samples Tampered with? N/A
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client ~~F~~ T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? F Who was notified? _____
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? N/A MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? N/A Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	2
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 27 Parsons Lane

Project Number: 19B0468

Laboratory Sample ID(s):

19B0468-01 thru 19B0468-02

Sample Date(s):

02/11/2019

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.

Tod E. Kopyscinski

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:** 02/18/19

Name of Laboratory: Con-Test Analytical Laboratory

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

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November 27, 2018

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Durham, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18K0971

Enclosed are results of analyses for samples received by the laboratory on November 21, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 11/27/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18K0971

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

PROJECT LOCATION: Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SD-1	18K0971-01	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:

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:

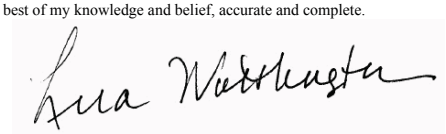
Aroclor-1016
B217770-MS1, B217770-MSD1

Aroclor-1016 [2C]
B217770-MS1, B217770-MSD1

Aroclor-1260
B217770-MS1, B217770-MSD1

Aroclor-1260 [2C]
B217770-MS1, B217770-MSD1

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



Lisa A. Worthington
Project Manager

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0971

Date Received: 11/21/2018

Field Sample #: SD-1 | Sampled: 11/20/2018 09:20

Sample ID: 18K0971-01

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	0.49	mg/Kg dry	20		SW-846 8082A	11/24/18	11/27/18 9:18	JMB
Aroclor-1221 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/24/18	11/27/18 9:18	JMB
Aroclor-1232 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/24/18	11/27/18 9:18	JMB
Aroclor-1242 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/24/18	11/27/18 9:18	JMB
Aroclor-1248 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/24/18	11/27/18 9:18	JMB
Aroclor-1254 [2]	3.6	0.49	mg/Kg dry	20		SW-846 8082A	11/24/18	11/27/18 9:18	JMB
Aroclor-1260 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/24/18	11/27/18 9:18	JMB
Aroclor-1262 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/24/18	11/27/18 9:18	JMB
Aroclor-1268 [1]	ND	0.49	mg/Kg dry	20		SW-846 8082A	11/24/18	11/27/18 9:18	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	82.1	30-150		11/27/18 9:18
Decachlorobiphenyl [2]	96.5	30-150		11/27/18 9:18
Tetrachloro-m-xylene [1]	69.6	30-150		11/27/18 9:18
Tetrachloro-m-xylene [2]	72.4	30-150		11/27/18 9:18

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Project Location: Durham, CT | Sample Description: | Work Order: 18K0971

Date Received: 11/21/2018

Field Sample #: SD-1 | Sampled: 11/20/2018 09:20

Sample ID: 18K0971-01

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	79.8		% Wt	1		SM 2540G	11/26/18	11/26/18 23:19	AVF

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18K0971-01 [SD-1]	B217826	11/26/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18K0971-01 [SD-1]	B217770	10.3	10.0	11/24/18

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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 B217770 - SW-846 3540C										
Blank (B217770-BLK1)				Prepared: 11/24/18 Analyzed: 11/26/18						
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	*0.142*		mg/Kg wet	0.200		71.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.163*		mg/Kg wet	0.200		81.3	30-150			
Surrogate: Tetrachloro-m-xylene	*0.126*		mg/Kg wet	0.200		63.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.134*		mg/Kg wet	0.200		67.1	30-150			
LCS (B217770-BS1)				Prepared: 11/24/18 Analyzed: 11/26/18						
Aroclor-1016	0.13	0.020	mg/Kg wet	0.200		65.8	40-140			
Aroclor-1016 [2C]	0.16	0.020	mg/Kg wet	0.200		78.2	40-140			
Aroclor-1260	0.14	0.020	mg/Kg wet	0.200		69.0	40-140			
Aroclor-1260 [2C]	0.16	0.020	mg/Kg wet	0.200		77.7	40-140			
Surrogate: Decachlorobiphenyl	*0.165*		mg/Kg wet	0.200		82.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.187*		mg/Kg wet	0.200		93.7	30-150			
Surrogate: Tetrachloro-m-xylene	*0.148*		mg/Kg wet	0.200		73.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.158*		mg/Kg wet	0.200		79.1	30-150			
LCS Dup (B217770-BSD1)				Prepared: 11/24/18 Analyzed: 11/26/18						
Aroclor-1016	0.15	0.020	mg/Kg wet	0.200		74.7	40-140	12.7	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.5	40-140	12.4	30	
Aroclor-1260	0.16	0.020	mg/Kg wet	0.200		78.2	40-140	12.5	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		89.4	40-140	14.0	30	
Surrogate: Decachlorobiphenyl	*0.183*		mg/Kg wet	0.200		91.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.207*		mg/Kg wet	0.200		103	30-150			
Surrogate: Tetrachloro-m-xylene	*0.161*		mg/Kg wet	0.200		80.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.173*		mg/Kg wet	0.200		86.5	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 B217770 - SW-846 3540C											
Matrix Spike (B217770-MS1)	**Source: 18K0971-01**			Prepared: 11/24/18 Analyzed: 11/26/18							
Aroclor-1016	0.36	0.095	mg/Kg dry	0.236	ND	**152**	*	40-140			MS-21
Aroclor-1016 [2C]	0.88	0.095	mg/Kg dry	0.236	ND	**371**	*	40-140			MS-21
Aroclor-1260	0.75	0.095	mg/Kg dry	0.236	ND	**318**	*	40-140			MS-21
Aroclor-1260 [2C]	0.94	0.095	mg/Kg dry	0.236	ND	**398**	*	40-140			MS-21
Surrogate: Decachlorobiphenyl	*0.156*		mg/Kg dry	0.236		66.0		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.193*		mg/Kg dry	0.236		81.7		30-150			
Surrogate: Tetrachloro-m-xylene	*0.141*		mg/Kg dry	0.236		59.7		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.149*		mg/Kg dry	0.236		63.0		30-150			
Matrix Spike Dup (B217770-MSD1)	**Source: 18K0971-01**			Prepared: 11/24/18 Analyzed: 11/26/18							
Aroclor-1016	0.37	0.096	mg/Kg dry	0.241	ND	**153**	*	40-140	2.39	50	MS-21
Aroclor-1016 [2C]	0.82	0.096	mg/Kg dry	0.241	ND	**340**	*	40-140	6.70	50	MS-21
Aroclor-1260	0.71	0.096	mg/Kg dry	0.241	ND	**295**	*	40-140	5.72	50	MS-21
Aroclor-1260 [2C]	0.88	0.096	mg/Kg dry	0.241	ND	**366**	*	40-140	6.49	50	MS-21
Surrogate: Decachlorobiphenyl	*0.155*		mg/Kg dry	0.241		64.3		30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.191*		mg/Kg dry	0.241		79.4		30-150			
Surrogate: Tetrachloro-m-xylene	*0.142*		mg/Kg dry	0.241		58.7		30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.149*		mg/Kg dry	0.241		62.0		30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

SD-1

Lab Sample ID: 18K0971-01 Date(s) Analyzed: 11/27/2018 11/27/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.1	
	2	0.000	-0.030	0.030	3.6	14.9

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B217770-BS1 Date(s) Analyzed: 11/26/2018 11/26/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.13	
	2	0.000	-0.030	0.030	0.16	20.7
Aroclor-1260	1	0.000	-0.030	0.030	0.14	
	2	0.000	-0.030	0.030	0.16	13.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B217770-BSD1 Date(s) Analyzed: 11/26/2018 11/26/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.15	
	2	0.000	-0.030	0.030	0.18	18.2
Aroclor-1260	1	0.000	-0.030	0.030	0.16	
	2	0.000	-0.030	0.030	0.18	11.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B217770-MS1 Date(s) Analyzed: 11/26/2018 11/26/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.36	
	2	0.000	-0.030	0.030	0.88	83.9
Aroclor-1260	1	0.000	-0.030	0.030	0.75	
	2	0.000	-0.030	0.030	0.94	22.5

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B217770-MSD1 Date(s) Analyzed: 11/26/2018 11/26/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.37	
	2	0.000	-0.030	0.030	0.82	75.6
Aroclor-1260	1	0.000	-0.030	0.030	0.71	
	2	0.000	-0.030	0.030	0.88	21.4

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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.

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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
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

CHAIN OF CUSTODY RECORD

1EK0971

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http://www.contestlabs.com
Doc # 381 Rev 1_03242017
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East Longmeadow, MA 01028
Page 1 of 1

MEK
Company Name: Weston & Sampson
Address: 293 Dividend Rd Rocky Hill
Phone: 1800 Sampson
Project Name: Parsons LD
Project Location: Durham, CT
Project Number:
Project Manager: Jeff Willson
Con-Test Quote Name/Number:
Invoice Recipient: Jeff Willson
Sampled By: AVB

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☒
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PCB Soxhlet	# of Containers	[2] Preservation Code	[3] Container Code
01	SD-1	11/20	920		X	S	U				

ANALYSIS REQUESTED

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
email williamson@wseinc.com
barretta@wseinc.com
3 DAY TAT - Eversource Rates

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature)	11/21/18
Received by: (signature)	11/21/18 915
Relinquished by: (signature)	11/21/18 451
Received by: (signature) 3.7C	Date/Time:
Relinquished by: (signature)	11/21/18 1658
Received by: (signature)	Date/Time:

Detection Limit Requirements
MA:
CT: RC/RES
DCC, GB PMC
Other:

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☒ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP, LLC

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By BLF Date 11/21/18 Time 1650

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 3.7°C
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis ID's T Sampler Name T
Project T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F
Are there Rushes? T Who was notified? _____
Are there Short Holds? F Who was notified? Brie
Is there enough Volume? T Who was notified? _____
Is there Headspace where applicable? NA MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	1
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Durham, CT

Project Number: 18K0971

Laboratory Sample ID(s):

18K0971-01

Sample Date(s):

11/20/2018

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.

Lisa A. Worthington

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: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **11/27/18**

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

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

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December 11, 2018

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 27 Parsons Ln., Durham, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18L0278

Enclosed are results of analyses for samples received by the laboratory on December 6, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 12/11/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L0278

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

PROJECT LOCATION: 27 Parsons Ln., Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TI-E	18L0278-01	Sediment		SM 2540G	
				SW-846 8082A	
TI-C	18L0278-02	Sediment		SM 2540G	
				SW-846 8082A	
TI-W	18L0278-03	Sediment		SM 2540G	
				SW-846 8082A	
T2-E	18L0278-04	Sediment		SM 2540G	
				SW-846 8082A	
T2-C	18L0278-05	Sediment		SM 2540G	
				SW-846 8082A	
T2-W	18L0278-06	Sediment		SM 2540G	
				SW-846 8082A	
T3-E	18L0278-07	Sediment		SM 2540G	
				SW-846 8082A	
T3-C	18L0278-08	Sediment		SM 2540G	
				SW-846 8082A	
T3-W	18L0278-09	Sediment		SM 2540G	
				SW-846 8082A	
T4-E	18L0278-10	Sediment		SM 2540G	
				SW-846 8082A	
T4-C	18L0278-11	Sediment		SM 2540G	
				SW-846 8082A	
T4-W	18L0278-12	Sediment		SM 2540G	
				SW-846 8082A	
T5-E	18L0278-13	Sediment		SM 2540G	
				SW-846 8082A	
T5-C	18L0278-14	Sediment		SM 2540G	
				SW-846 8082A	
T5-W	18L0278-15	Sediment		SM 2540G	
				SW-846 8082A	
T6-E	18L0278-16	Sediment		SM 2540G	
				SW-846 8082A	
T6-C	18L0278-17	Sediment		SM 2540G	
				SW-846 8082A	
T6-W	18L0278-18	Sediment		SM 2540G	
				SW-846 8082A	
T7-E	18L0278-19	Sediment		SM 2540G	
				SW-846 8082A	
T7-C	18L0278-20	Sediment		SM 2540G	
				SW-846 8082A	

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 12/11/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L0278

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

PROJECT LOCATION: 27 Parsons Ln., Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
T7-W	18L0278-21	Sediment		SM 2540G	
				SW-846 8082A	
T8-E	18L0278-22	Sediment		SM 2540G	
				SW-846 8082A	
T8-C	18L0278-23	Sediment		SM 2540G	
				SW-846 8082A	
T8-W	18L0278-24	Sediment		SM 2540G	
				SW-846 8082A	
DUP-SE1	18L0278-25	Sediment		SM 2540G	
				SW-846 8082A	
DUP-SE2	18L0278-26	Sediment		SM 2540G	
				SW-846 8082A	
Outfall-1	18L0278-27	Sediment		SM 2540G	
				SW-846 8082A	
Outfall-2	18L0278-28	Sediment		SM 2540G	
				SW-846 8082A	
Outfall-3	18L0278-29	Sediment		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.

18L0278-01 through -29 are sediment samples.

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:

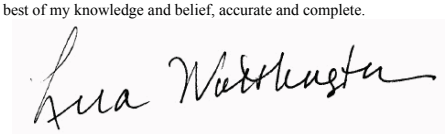
Decachlorobiphenyl
18L0278-29[Outfall-3]

Decachlorobiphenyl [2C]
18L0278-29[Outfall-3]

Tetrachloro-m-xylene
18L0278-29[Outfall-3]

Tetrachloro-m-xylene [2C]
18L0278-29[Outfall-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.



Lisa A. Worthington
Project Manager

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

Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: TI-E
Sampled: 12/5/2018 09:20

Sample ID: 18L0278-01

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 9:56	PJG
Aroclor-1221 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 9:56	PJG
Aroclor-1232 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 9:56	PJG
Aroclor-1242 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 9:56	PJG
Aroclor-1248 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 9:56	PJG
Aroclor-1254 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 9:56	PJG
Aroclor-1260 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 9:56	PJG
Aroclor-1262 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 9:56	PJG
Aroclor-1268 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 9:56	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		12/11/18 9:56
Decachlorobiphenyl [2]	104	30-150		12/11/18 9:56
Tetrachloro-m-xylene [1]	99.5	30-150		12/11/18 9:56
Tetrachloro-m-xylene [2]	100	30-150		12/11/18 9:56

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: TI-E
Sampled: 12/5/2018 09:20

Sample ID: 18L0278-01

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	79.6		% Wt	1		SM 2540G	12/9/18	12/10/18 12:39	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: TI-C | Sampled: 12/5/2018 09:20

Sample ID: 18L0278-02

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:08	PJG
Aroclor-1221 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:08	PJG
Aroclor-1232 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:08	PJG
Aroclor-1242 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:08	PJG
Aroclor-1248 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:08	PJG
Aroclor-1254 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:08	PJG
Aroclor-1260 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:08	PJG
Aroclor-1262 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:08	PJG
Aroclor-1268 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:08	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	105	30-150		12/11/18 10:08
Decachlorobiphenyl [2]	104	30-150		12/11/18 10:08
Tetrachloro-m-xylene [1]	98.0	30-150		12/11/18 10:08
Tetrachloro-m-xylene [2]	98.7	30-150		12/11/18 10:08

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: TI-C
Sampled: 12/5/2018 09:20

Sample ID: 18L0278-02

Sample Matrix: Sediment

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	73.9		% Wt	1		SM 2540G	12/9/18	12/10/18 12:39	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: TI-W | Sampled: 12/5/2018 09:20

Sample ID: 18L0278-03

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.039	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:21	PJG
Aroclor-1221 [1]	ND	0.039	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:21	PJG
Aroclor-1232 [1]	ND	0.039	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:21	PJG
Aroclor-1242 [1]	ND	0.039	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:21	PJG
Aroclor-1248 [1]	ND	0.039	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:21	PJG
Aroclor-1254 [1]	ND	0.039	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:21	PJG
Aroclor-1260 [1]	ND	0.039	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:21	PJG
Aroclor-1262 [1]	ND	0.039	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:21	PJG
Aroclor-1268 [1]	ND	0.039	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:21	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	102	30-150		12/11/18 10:21
Decachlorobiphenyl [2]	99.0	30-150		12/11/18 10:21
Tetrachloro-m-xylene [1]	96.5	30-150		12/11/18 10:21
Tetrachloro-m-xylene [2]	96.5	30-150		12/11/18 10:21

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: TI-W
Sampled: 12/5/2018 09:20

Sample ID: 18L0278-03

Sample Matrix: Sediment

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	49.8		% Wt	1		SM 2540G	12/9/18	12/10/18 12:39	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T2-E | Sampled: 12/5/2018 09:25

Sample ID: 18L0278-04

Sample Matrix: Sediment

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	8		SW-846 8082A	12/7/18	12/11/18 10:34	PJG
Aroclor-1221 [1]	ND	0.22	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:34	PJG
Aroclor-1232 [1]	ND	0.22	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:34	PJG
Aroclor-1242 [1]	ND	0.22	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:34	PJG
Aroclor-1248 [1]	ND	0.22	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:34	PJG
Aroclor-1254 [1]	2.4	0.22	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:34	PJG
Aroclor-1260 [1]	ND	0.22	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:34	PJG
Aroclor-1262 [1]	ND	0.22	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:34	PJG
Aroclor-1268 [1]	ND	0.22	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:34	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		12/11/18 10:34
Decachlorobiphenyl [2]	109	30-150		12/11/18 10:34
Tetrachloro-m-xylene [1]	89.9	30-150		12/11/18 10:34
Tetrachloro-m-xylene [2]	87.1	30-150		12/11/18 10:34

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T2-E
Sampled: 12/5/2018 09:25

Sample ID: 18L0278-04

Sample Matrix: Sediment

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	66.9		% Wt	1		SM 2540G	12/9/18	12/10/18 12:39	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T2-C | Sampled: 12/5/2018 09:25

Sample ID: 18L0278-05

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.25	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:46	PJG
Aroclor-1221 [1]	ND	0.25	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:46	PJG
Aroclor-1232 [1]	ND	0.25	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:46	PJG
Aroclor-1242 [1]	ND	0.25	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:46	PJG
Aroclor-1248 [1]	ND	0.25	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:46	PJG
Aroclor-1254 [1]	1.9	0.25	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:46	PJG
Aroclor-1260 [1]	ND	0.25	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:46	PJG
Aroclor-1262 [1]	ND	0.25	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:46	PJG
Aroclor-1268 [1]	ND	0.25	mg/Kg dry	8		SW-846 8082A	12/7/18	12/11/18 10:46	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	98.8	30-150		12/11/18 10:46
Decachlorobiphenyl [2]	109	30-150		12/11/18 10:46
Tetrachloro-m-xylene [1]	84.2	30-150		12/11/18 10:46
Tetrachloro-m-xylene [2]	83.6	30-150		12/11/18 10:46

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T2-C
Sampled: 12/5/2018 09:25

Sample ID: 18L0278-05

Sample Matrix: Sediment

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	61.5		% Wt	1		SM 2540G	12/9/18	12/10/18 12:39	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T2-W | Sampled: 12/5/2018 09:25

Sample ID: 18L0278-06

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.032	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:59	PJG
Aroclor-1221 [1]	ND	0.032	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:59	PJG
Aroclor-1232 [1]	ND	0.032	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:59	PJG
Aroclor-1242 [1]	ND	0.032	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:59	PJG
Aroclor-1248 [1]	ND	0.032	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:59	PJG
Aroclor-1254 [1]	ND	0.032	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:59	PJG
Aroclor-1260 [1]	ND	0.032	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:59	PJG
Aroclor-1262 [1]	ND	0.032	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:59	PJG
Aroclor-1268 [1]	ND	0.032	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:59	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		12/11/18 10:59
Decachlorobiphenyl [2]	98.1	30-150		12/11/18 10:59
Tetrachloro-m-xylene [1]	97.5	30-150		12/11/18 10:59
Tetrachloro-m-xylene [2]	96.5	30-150		12/11/18 10:59

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T2-W
Sampled: 12/5/2018 09:25

Sample ID: 18L0278-06

Sample Matrix: Sediment

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	59.6		% Wt	1		SM 2540G	12/9/18	12/10/18 12:40	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T3-E | Sampled: 12/5/2018 09:30

Sample ID: 18L0278-07

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:11	PJG
Aroclor-1221 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:11	PJG
Aroclor-1232 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:11	PJG
Aroclor-1242 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:11	PJG
Aroclor-1248 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:11	PJG
Aroclor-1254 [2]	0.036	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:11	PJG
Aroclor-1260 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:11	PJG
Aroclor-1262 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:11	PJG
Aroclor-1268 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:11	PJG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	103	30-150		12/11/18 11:11
Decachlorobiphenyl [2]	101	30-150		12/11/18 11:11
Tetrachloro-m-xylene [1]	96.7	30-150		12/11/18 11:11
Tetrachloro-m-xylene [2]	90.0	30-150		12/11/18 11:11

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T3-E
Sampled: 12/5/2018 09:30

Sample ID: 18L0278-07

Sample Matrix: Sediment

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	70.3		% Wt	1		SM 2540G	12/9/18	12/10/18 12:40	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T3-C | Sampled: 12/5/2018 09:30

Sample ID: 18L0278-08

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:17	TG
Aroclor-1221 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:17	TG
Aroclor-1232 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:17	TG
Aroclor-1242 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:17	TG
Aroclor-1248 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:17	TG
Aroclor-1254 [1]	0.057	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:17	TG
Aroclor-1260 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:17	TG
Aroclor-1262 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:17	TG
Aroclor-1268 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:17	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	100	30-150		12/11/18 11:17
Decachlorobiphenyl [2]	108	30-150		12/11/18 11:17
Tetrachloro-m-xylene [1]	84.9	30-150		12/11/18 11:17
Tetrachloro-m-xylene [2]	87.2	30-150		12/11/18 11:17

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T3-C
Sampled: 12/5/2018 09:30

Sample ID: 18L0278-08

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	78.9		% Wt	1		SM 2540G	12/9/18	12/10/18 12:40	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T3-W | Sampled: 12/5/2018 09:30

Sample ID: 18L0278-09

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:30	TG
Aroclor-1221 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:30	TG
Aroclor-1232 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:30	TG
Aroclor-1242 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:30	TG
Aroclor-1248 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:30	TG
Aroclor-1254 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:30	TG
Aroclor-1260 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:30	TG
Aroclor-1262 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:30	TG
Aroclor-1268 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:30	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.3	30-150		12/11/18 11:30
Decachlorobiphenyl [2]	103	30-150		12/11/18 11:30
Tetrachloro-m-xylene [1]	87.9	30-150		12/11/18 11:30
Tetrachloro-m-xylene [2]	90.8	30-150		12/11/18 11:30

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T3-W
Sampled: 12/5/2018 09:30

Sample ID: 18L0278-09

Sample Matrix: Sediment

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	55.3		% Wt	1		SM 2540G	12/9/18	12/10/18 12:40	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T4-E | Sampled: 12/5/2018 09:35

Sample ID: 18L0278-10

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	12/7/18	12/10/18 16:50	JMB
Aroclor-1221 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	12/7/18	12/10/18 16:50	JMB
Aroclor-1232 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	12/7/18	12/10/18 16:50	JMB
Aroclor-1242 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	12/7/18	12/10/18 16:50	JMB
Aroclor-1248 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	12/7/18	12/10/18 16:50	JMB
Aroclor-1254 [2]	0.65	0.17	mg/Kg dry	4		SW-846 8082A	12/7/18	12/10/18 16:50	JMB
Aroclor-1260 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	12/7/18	12/10/18 16:50	JMB
Aroclor-1262 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	12/7/18	12/10/18 16:50	JMB
Aroclor-1268 [1]	ND	0.17	mg/Kg dry	4		SW-846 8082A	12/7/18	12/10/18 16:50	JMB

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		12/10/18 16:50
Decachlorobiphenyl [2]	95.1	30-150		12/10/18 16:50
Tetrachloro-m-xylene [1]	84.0	30-150		12/10/18 16:50
Tetrachloro-m-xylene [2]	85.1	30-150		12/10/18 16:50

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T4-E
Sampled: 12/5/2018 09:35

Sample ID: 18L0278-10

Sample Matrix: Sediment

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	46.2		% Wt	1		SM 2540G	12/9/18	12/10/18 12:40	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T4-C | Sampled: 12/5/2018 09:35

Sample ID: 18L0278-11

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:43	TG
Aroclor-1221 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:43	TG
Aroclor-1232 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:43	TG
Aroclor-1242 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:43	TG
Aroclor-1248 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:43	TG
Aroclor-1254 [1]	0.057	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:43	TG
Aroclor-1260 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:43	TG
Aroclor-1262 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:43	TG
Aroclor-1268 [1]	ND	0.025	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:43	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.5	30-150		12/11/18 11:43
Decachlorobiphenyl [2]	97.2	30-150		12/11/18 11:43
Tetrachloro-m-xylene [1]	81.3	30-150		12/11/18 11:43
Tetrachloro-m-xylene [2]	83.4	30-150		12/11/18 11:43

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T4-C | Sampled: 12/5/2018 09:35

Sample ID: 18L0278-11

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	74.0		% Wt	1		SM 2540G	12/9/18	12/10/18 12:40	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T4-W | Sampled: 12/5/2018 09:35

Sample ID: 18L0278-12

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:56	TG
Aroclor-1221 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:56	TG
Aroclor-1232 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:56	TG
Aroclor-1242 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:56	TG
Aroclor-1248 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:56	TG
Aroclor-1254 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:56	TG
Aroclor-1260 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:56	TG
Aroclor-1262 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:56	TG
Aroclor-1268 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:56	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	90.3	30-150		12/11/18 11:56
Decachlorobiphenyl [2]	111	30-150		12/11/18 11:56
Tetrachloro-m-xylene [1]	86.9	30-150		12/11/18 11:56
Tetrachloro-m-xylene [2]	88.3	30-150		12/11/18 11:56

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T4-W
Sampled: 12/5/2018 09:35

Sample ID: 18L0278-12

Sample Matrix: Sediment

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	67.9		% Wt	1		SM 2540G	12/9/18	12/10/18 12:40	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T5-E | Sampled: 12/5/2018 11:35

Sample ID: 18L0278-13

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:09	TG
Aroclor-1221 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:09	TG
Aroclor-1232 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:09	TG
Aroclor-1242 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:09	TG
Aroclor-1248 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:09	TG
Aroclor-1254 [1]	0.078	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:09	TG
Aroclor-1260 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:09	TG
Aroclor-1262 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:09	TG
Aroclor-1268 [1]	ND	0.028	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:09	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.6	30-150		12/11/18 12:09
Decachlorobiphenyl [2]	92.1	30-150		12/11/18 12:09
Tetrachloro-m-xylene [1]	84.2	30-150		12/11/18 12:09
Tetrachloro-m-xylene [2]	88.5	30-150		12/11/18 12:09

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T5-E
Sampled: 12/5/2018 11:35

Sample ID: 18L0278-13

Sample Matrix: Sediment

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	68.0		% Wt	1		SM 2540G	12/9/18	12/10/18 12:40	AVF

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

Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T5-C
Sampled: 12/5/2018 11:25

Sample ID: 18L0278-14

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.024	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:21	TG
Aroclor-1221 [1]	ND	0.024	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:21	TG
Aroclor-1232 [1]	ND	0.024	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:21	TG
Aroclor-1242 [1]	ND	0.024	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:21	TG
Aroclor-1248 [1]	ND	0.024	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:21	TG
Aroclor-1254 [1]	ND	0.024	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:21	TG
Aroclor-1260 [1]	ND	0.024	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:21	TG
Aroclor-1262 [1]	ND	0.024	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:21	TG
Aroclor-1268 [1]	ND	0.024	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:21	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.2	30-150		12/11/18 12:21
Decachlorobiphenyl [2]	87.3	30-150		12/11/18 12:21
Tetrachloro-m-xylene [1]	81.8	30-150		12/11/18 12:21
Tetrachloro-m-xylene [2]	88.0	30-150		12/11/18 12:21

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T5-C | Sampled: 12/5/2018 11:25

Sample ID: 18L0278-14

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	82.5		% Wt	1		SM 2540G	12/9/18	12/10/18 12:40	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T5-W | Sampled: 12/5/2018 11:30

Sample ID: 18L0278-15

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.035	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:34	TG
Aroclor-1221 [1]	ND	0.035	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:34	TG
Aroclor-1232 [1]	ND	0.035	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:34	TG
Aroclor-1242 [1]	ND	0.035	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:34	TG
Aroclor-1248 [1]	ND	0.035	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:34	TG
Aroclor-1254 [1]	ND	0.035	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:34	TG
Aroclor-1260 [1]	ND	0.035	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:34	TG
Aroclor-1262 [1]	ND	0.035	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:34	TG
Aroclor-1268 [1]	ND	0.035	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:34	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	94.6	30-150		12/11/18 12:34
Decachlorobiphenyl [2]	98.8	30-150		12/11/18 12:34
Tetrachloro-m-xylene [1]	88.1	30-150		12/11/18 12:34
Tetrachloro-m-xylene [2]	94.2	30-150		12/11/18 12:34

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T5-W
Sampled: 12/5/2018 11:30

Sample ID: 18L0278-15

Sample Matrix: Sediment

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	52.3		% Wt	1		SM 2540G	12/9/18	12/10/18 12:41	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T6-E | Sampled: 12/5/2018 11:10

Sample ID: 18L0278-16

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.027	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:29	AYH
Aroclor-1221 [1]	ND	0.027	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:29	AYH
Aroclor-1232 [1]	ND	0.027	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:29	AYH
Aroclor-1242 [1]	ND	0.027	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:29	AYH
Aroclor-1248 [1]	ND	0.027	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:29	AYH
Aroclor-1254 [1]	ND	0.027	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:29	AYH
Aroclor-1260 [1]	ND	0.027	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:29	AYH
Aroclor-1262 [1]	ND	0.027	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:29	AYH
Aroclor-1268 [1]	ND	0.027	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:29	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	104	30-150		12/11/18 11:29
Decachlorobiphenyl [2]	95.0	30-150		12/11/18 11:29
Tetrachloro-m-xylene [1]	91.9	30-150		12/11/18 11:29
Tetrachloro-m-xylene [2]	94.4	30-150		12/11/18 11:29

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T6-E
Sampled: 12/5/2018 11:10

Sample ID: 18L0278-16

Sample Matrix: Sediment

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	71.5		% Wt	1		SM 2540G	12/9/18	12/10/18 12:41	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T6-C | Sampled: 12/5/2018 11:05

Sample ID: 18L0278-17

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:41	AYH
Aroclor-1221 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:41	AYH
Aroclor-1232 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:41	AYH
Aroclor-1242 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:41	AYH
Aroclor-1248 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:41	AYH
Aroclor-1254 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:41	AYH
Aroclor-1260 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:41	AYH
Aroclor-1262 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:41	AYH
Aroclor-1268 [1]	ND	0.022	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:41	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	91.2	30-150		12/11/18 11:41
Decachlorobiphenyl [2]	83.0	30-150		12/11/18 11:41
Tetrachloro-m-xylene [1]	83.4	30-150		12/11/18 11:41
Tetrachloro-m-xylene [2]	86.0	30-150		12/11/18 11:41

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T6-C | Sampled: 12/5/2018 11:05

Sample ID: 18L0278-17

Sample Matrix: Sediment

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	82.8		% Wt	1		SM 2540G	12/9/18	12/10/18 12:41	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T6-W | Sampled: 12/5/2018 11:15

Sample ID: 18L0278-18

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:53	AYH
Aroclor-1221 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:53	AYH
Aroclor-1232 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:53	AYH
Aroclor-1242 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:53	AYH
Aroclor-1248 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:53	AYH
Aroclor-1254 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:53	AYH
Aroclor-1260 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:53	AYH
Aroclor-1262 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:53	AYH
Aroclor-1268 [1]	ND	0.026	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:53	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		12/11/18 11:53
Decachlorobiphenyl [2]	98.3	30-150		12/11/18 11:53
Tetrachloro-m-xylene [1]	91.8	30-150		12/11/18 11:53
Tetrachloro-m-xylene [2]	94.6	30-150		12/11/18 11:53

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T6-W | Sampled: 12/5/2018 11:15

Sample ID: 18L0278-18

Sample Matrix: Sediment

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

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
% Solids	77.1		% Wt	1		SM 2540G	12/9/18	12/10/18 12:41	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T7-E | Sampled: 12/5/2018 11:50

Sample ID: 18L0278-19

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:06	AYH
Aroclor-1221 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:06	AYH
Aroclor-1232 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:06	AYH
Aroclor-1242 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:06	AYH
Aroclor-1248 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:06	AYH
Aroclor-1254 [2]	0.041	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:06	AYH
Aroclor-1260 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:06	AYH
Aroclor-1262 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:06	AYH
Aroclor-1268 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:06	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	110	30-150		12/11/18 12:06
Decachlorobiphenyl [2]	110	30-150		12/11/18 12:06
Tetrachloro-m-xylene [1]	92.4	30-150		12/11/18 12:06
Tetrachloro-m-xylene [2]	94.1	30-150		12/11/18 12:06

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

Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T7-E | Sampled: 12/5/2018 11:50

Sample ID: 18L0278-19

Sample Matrix: Sediment

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	51.8		% Wt	1		SM 2540G	12/9/18	12/10/18 12:41	AVF

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

Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T7-C | Sampled: 12/5/2018 11:45

Sample ID: 18L0278-20

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.031	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:18	AYH
Aroclor-1221 [1]	ND	0.031	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:18	AYH
Aroclor-1232 [1]	ND	0.031	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:18	AYH
Aroclor-1242 [1]	ND	0.031	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:18	AYH
Aroclor-1248 [1]	ND	0.031	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:18	AYH
Aroclor-1254 [1]	ND	0.031	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:18	AYH
Aroclor-1260 [1]	ND	0.031	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:18	AYH
Aroclor-1262 [1]	ND	0.031	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:18	AYH
Aroclor-1268 [1]	ND	0.031	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 12:18	AYH

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		12/11/18 12:18
Decachlorobiphenyl [2]	104	30-150		12/11/18 12:18
Tetrachloro-m-xylene [1]	93.8	30-150		12/11/18 12:18
Tetrachloro-m-xylene [2]	96.1	30-150		12/11/18 12:18

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

Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T7-C
Sampled: 12/5/2018 11:45

Sample ID: 18L0278-20

Sample Matrix: Sediment

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	61.1		% Wt	1		SM 2540G	12/9/18	12/10/18 12:41	AVF

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

Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T7-W | Sampled: 12/5/2018 11:55

Sample ID: 18L0278-21

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.033	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:07	WAL
Aroclor-1221 [1]	ND	0.033	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:07	WAL
Aroclor-1232 [1]	ND	0.033	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:07	WAL
Aroclor-1242 [1]	ND	0.033	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:07	WAL
Aroclor-1248 [1]	ND	0.033	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:07	WAL
Aroclor-1254 [1]	ND	0.033	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:07	WAL
Aroclor-1260 [1]	ND	0.033	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:07	WAL
Aroclor-1262 [1]	ND	0.033	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:07	WAL
Aroclor-1268 [1]	ND	0.033	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:07	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	59.1	30-150		12/11/18 10:07
Decachlorobiphenyl [2]	65.7	30-150		12/11/18 10:07
Tetrachloro-m-xylene [1]	68.3	30-150		12/11/18 10:07
Tetrachloro-m-xylene [2]	72.9	30-150		12/11/18 10:07

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

Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T7-W
Sampled: 12/5/2018 11:55

Sample ID: 18L0278-21

Sample Matrix: Sediment

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	59.8		% Wt	1		SM 2540G	12/9/18	12/10/18 12:41	AVF

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

Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T8-E | Sampled: 12/5/2018 12:00

Sample ID: 18L0278-22

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:19	WAL
Aroclor-1221 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:19	WAL
Aroclor-1232 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:19	WAL
Aroclor-1242 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:19	WAL
Aroclor-1248 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:19	WAL
Aroclor-1254 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:19	WAL
Aroclor-1260 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:19	WAL
Aroclor-1262 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:19	WAL
Aroclor-1268 [1]	ND	0.037	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:19	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	84.7	30-150		12/11/18 10:19
Decachlorobiphenyl [2]	96.2	30-150		12/11/18 10:19
Tetrachloro-m-xylene [1]	80.9	30-150		12/11/18 10:19
Tetrachloro-m-xylene [2]	85.0	30-150		12/11/18 10:19

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

Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T8-E
Sampled: 12/5/2018 12:00

Sample ID: 18L0278-22

Sample Matrix: Sediment

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	52.8		% Wt	1		SM 2540G	12/9/18	12/10/18 12:41	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T8-C | Sampled: 12/5/2018 12:05

Sample ID: 18L0278-23

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.045	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:32	WAL
Aroclor-1221 [1]	ND	0.045	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:32	WAL
Aroclor-1232 [1]	ND	0.045	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:32	WAL
Aroclor-1242 [1]	ND	0.045	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:32	WAL
Aroclor-1248 [1]	ND	0.045	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:32	WAL
Aroclor-1254 [1]	ND	0.045	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:32	WAL
Aroclor-1260 [1]	ND	0.045	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:32	WAL
Aroclor-1262 [1]	ND	0.045	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:32	WAL
Aroclor-1268 [1]	ND	0.045	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:32	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	79.0	30-150		12/11/18 10:32
Decachlorobiphenyl [2]	98.2	30-150		12/11/18 10:32
Tetrachloro-m-xylene [1]	74.3	30-150		12/11/18 10:32
Tetrachloro-m-xylene [2]	78.1	30-150		12/11/18 10:32

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

Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T8-C
Sampled: 12/5/2018 12:05

Sample ID: 18L0278-23

Sample Matrix: Sediment

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	43.4		% Wt	1		SM 2540G	12/9/18	12/10/18 12:41	AVF

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

Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T8-W | Sampled: 12/5/2018 12:05

Sample ID: 18L0278-24

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.052	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:44	WAL
Aroclor-1221 [1]	ND	0.052	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:44	WAL
Aroclor-1232 [1]	ND	0.052	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:44	WAL
Aroclor-1242 [1]	ND	0.052	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:44	WAL
Aroclor-1248 [1]	ND	0.052	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:44	WAL
Aroclor-1254 [1]	ND	0.052	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:44	WAL
Aroclor-1260 [1]	ND	0.052	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:44	WAL
Aroclor-1262 [1]	ND	0.052	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:44	WAL
Aroclor-1268 [1]	ND	0.052	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:44	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	85.6	30-150		12/11/18 10:44
Decachlorobiphenyl [2]	95.6	30-150		12/11/18 10:44
Tetrachloro-m-xylene [1]	80.6	30-150		12/11/18 10:44
Tetrachloro-m-xylene [2]	85.1	30-150		12/11/18 10:44

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: T8-W | Sampled: 12/5/2018 12:05

Sample ID: 18L0278-24

Sample Matrix: Sediment

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	37.1		% Wt	1		SM 2540G	12/9/18	12/10/18 12:41	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: DUP-SE1 | Sampled: 12/5/2018 11:50

Sample ID: 18L0278-25

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.041	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:56	WAL
Aroclor-1221 [1]	ND	0.041	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:56	WAL
Aroclor-1232 [1]	ND	0.041	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:56	WAL
Aroclor-1242 [1]	ND	0.041	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:56	WAL
Aroclor-1248 [1]	ND	0.041	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:56	WAL
Aroclor-1254 [2]	0.080	0.041	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:56	WAL
Aroclor-1260 [1]	ND	0.041	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:56	WAL
Aroclor-1262 [1]	ND	0.041	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:56	WAL
Aroclor-1268 [1]	ND	0.041	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 10:56	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	74.7	30-150		12/11/18 10:56
Decachlorobiphenyl [2]	85.9	30-150		12/11/18 10:56
Tetrachloro-m-xylene [1]	75.8	30-150		12/11/18 10:56
Tetrachloro-m-xylene [2]	80.4	30-150		12/11/18 10:56

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

Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: DUP-SE1 | Sampled: 12/5/2018 11:50

Sample ID: 18L0278-25

Sample Matrix: Sediment

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	48.2		% Wt	1		SM 2540G	12/9/18	12/10/18 12:41	AVF

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: DUP-SE2
Sampled: 12/5/2018 12:00

Sample ID: 18L0278-26

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:08	WAL
Aroclor-1221 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:08	WAL
Aroclor-1232 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:08	WAL
Aroclor-1242 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:08	WAL
Aroclor-1248 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:08	WAL
Aroclor-1254 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:08	WAL
Aroclor-1260 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:08	WAL
Aroclor-1262 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:08	WAL
Aroclor-1268 [1]	ND	0.034	mg/Kg dry	1		SW-846 8082A	12/7/18	12/11/18 11:08	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	87.7	30-150		12/11/18 11:08
Decachlorobiphenyl [2]	96.0	30-150		12/11/18 11:08
Tetrachloro-m-xylene [1]	80.8	30-150		12/11/18 11:08
Tetrachloro-m-xylene [2]	84.8	30-150		12/11/18 11:08

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

Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: DUP-SE2
Sampled: 12/5/2018 12:00

Sample ID: 18L0278-26

Sample Matrix: Sediment

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	55.7		% Wt	1		SM 2540G	12/9/18	12/10/18 12:41	AVF

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

Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: Outfall-1 | Sampled: 12/5/2018 09:55

Sample ID: 18L0278-27

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 8:58	WAL
Aroclor-1221 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 8:58	WAL
Aroclor-1232 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 8:58	WAL
Aroclor-1242 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 8:58	WAL
Aroclor-1248 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 8:58	WAL
Aroclor-1254 [2]	4.4	0.61	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 8:58	WAL
Aroclor-1260 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 8:58	WAL
Aroclor-1262 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 8:58	WAL
Aroclor-1268 [1]	ND	0.61	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 8:58	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	81.8	30-150		12/11/18 8:58	
Decachlorobiphenyl [2]	94.7	30-150		12/11/18 8:58	
Tetrachloro-m-xylene [1]	60.7	30-150		12/11/18 8:58	
Tetrachloro-m-xylene [2]	69.7	30-150		12/11/18 8:58	

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: Outfall-1
Sampled: 12/5/2018 09:55

Sample ID: 18L0278-27

Sample Matrix: Sediment

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	64.8		% Wt	1		SM 2540G	12/9/18	12/10/18 12:42	AVF

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Project Location: 27 Parsons Ln., Durham, CT
Sample Description:
Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: Outfall-2
Sampled: 12/5/2018 10:00

Sample ID: 18L0278-28

Sample Matrix: Sediment

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	20		SW-846 8082A	12/7/18	12/11/18 9:15	WAL
Aroclor-1221 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 9:15	WAL
Aroclor-1232 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 9:15	WAL
Aroclor-1242 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 9:15	WAL
Aroclor-1248 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 9:15	WAL
Aroclor-1254 [2]	3.9	0.56	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 9:15	WAL
Aroclor-1260 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 9:15	WAL
Aroclor-1262 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 9:15	WAL
Aroclor-1268 [1]	ND	0.56	mg/Kg dry	20		SW-846 8082A	12/7/18	12/11/18 9:15	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual				
Decachlorobiphenyl [1]	80.0	30-150				12/11/18 9:15	
Decachlorobiphenyl [2]	92.0	30-150				12/11/18 9:15	
Tetrachloro-m-xylene [1]	57.5	30-150				12/11/18 9:15	
Tetrachloro-m-xylene [2]	65.6	30-150				12/11/18 9:15	

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

Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: Outfall-2 | Sampled: 12/5/2018 10:00

Sample ID: 18L0278-28

Sample Matrix: Sediment

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	68.5		% Wt	1		SM 2540G	12/9/18	12/10/18 12:42	AVF

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: Outfall-3 | Sampled: 12/5/2018 10:05

Sample ID: 18L0278-29

Sample Matrix: Sediment

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	1.2	mg/Kg dry	40		SW-846 8082A	12/7/18	12/11/18 9:32	WAL
Aroclor-1221 [1]	ND	1.2	mg/Kg dry	40		SW-846 8082A	12/7/18	12/11/18 9:32	WAL
Aroclor-1232 [1]	ND	1.2	mg/Kg dry	40		SW-846 8082A	12/7/18	12/11/18 9:32	WAL
Aroclor-1242 [1]	ND	1.2	mg/Kg dry	40		SW-846 8082A	12/7/18	12/11/18 9:32	WAL
Aroclor-1248 [1]	ND	1.2	mg/Kg dry	40		SW-846 8082A	12/7/18	12/11/18 9:32	WAL
Aroclor-1254 [2]	9.6	1.2	mg/Kg dry	40		SW-846 8082A	12/7/18	12/11/18 9:32	WAL
Aroclor-1260 [1]	ND	1.2	mg/Kg dry	40		SW-846 8082A	12/7/18	12/11/18 9:32	WAL
Aroclor-1262 [1]	ND	1.2	mg/Kg dry	40		SW-846 8082A	12/7/18	12/11/18 9:32	WAL
Aroclor-1268 [1]	ND	1.2	mg/Kg dry	40		SW-846 8082A	12/7/18	12/11/18 9:32	WAL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	*	30-150	S-01	12/11/18 9:32
Decachlorobiphenyl [2]	*	30-150	S-01	12/11/18 9:32
Tetrachloro-m-xylene [1]	*	30-150	S-01	12/11/18 9:32
Tetrachloro-m-xylene [2]	*	30-150	S-01	12/11/18 9:32

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0278

Date Received: 12/6/2018

Field Sample #: Outfall-3 | Sampled: 12/5/2018 10:05

Sample ID: 18L0278-29

Sample Matrix: Sediment

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	59.7		% Wt	1		SM 2540G	12/9/18	12/10/18 12:42	AVF

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Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
18L0278-01 [TI-E]	B218806	12/09/18
18L0278-02 [TI-C]	B218806	12/09/18
18L0278-03 [TI-W]	B218806	12/09/18
18L0278-04 [T2-E]	B218806	12/09/18
18L0278-05 [T2-C]	B218806	12/09/18
18L0278-06 [T2-W]	B218806	12/09/18
18L0278-07 [T3-E]	B218806	12/09/18
18L0278-08 [T3-C]	B218806	12/09/18
18L0278-09 [T3-W]	B218806	12/09/18
18L0278-10 [T4-E]	B218806	12/09/18
18L0278-11 [T4-C]	B218806	12/09/18
18L0278-12 [T4-W]	B218806	12/09/18
18L0278-13 [T5-E]	B218806	12/09/18
18L0278-14 [T5-C]	B218806	12/09/18
18L0278-15 [T5-W]	B218806	12/09/18
18L0278-16 [T6-E]	B218806	12/09/18
18L0278-17 [T6-C]	B218806	12/09/18
18L0278-18 [T6-W]	B218806	12/09/18
18L0278-19 [T7-E]	B218806	12/09/18
18L0278-20 [T7-C]	B218806	12/09/18
18L0278-21 [T7-W]	B218806	12/09/18
18L0278-22 [T8-E]	B218806	12/09/18
18L0278-23 [T8-C]	B218806	12/09/18
18L0278-24 [T8-W]	B218806	12/09/18
18L0278-25 [DUP-SE1]	B218806	12/09/18
18L0278-26 [DUP-SE2]	B218806	12/09/18
18L0278-27 [Outfall-1]	B218806	12/09/18
18L0278-28 [Outfall-2]	B218806	12/09/18
18L0278-29 [Outfall-3]	B218806	12/09/18

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
18L0278-01 [TI-E]	B218698	10.2	10.0	12/07/18
18L0278-02 [TI-C]	B218698	10.3	10.0	12/07/18
18L0278-03 [TI-W]	B218698	10.3	10.0	12/07/18
18L0278-04 [T2-E]	B218698	10.7	10.0	12/07/18
18L0278-05 [T2-C]	B218698	10.6	10.0	12/07/18
18L0278-06 [T2-W]	B218698	10.5	10.0	12/07/18
18L0278-07 [T3-E]	B218698	10.2	10.0	12/07/18
18L0278-08 [T3-C]	B218698	10.0	10.0	12/07/18
18L0278-09 [T3-W]	B218698	10.5	10.0	12/07/18
18L0278-10 [T4-E]	B218698	10.0	10.0	12/07/18
18L0278-11 [T4-C]	B218698	10.7	10.0	12/07/18
18L0278-12 [T4-W]	B218698	10.6	10.0	12/07/18
18L0278-13 [T5-E]	B218698	10.4	10.0	12/07/18
18L0278-14 [T5-C]	B218698	10.1	10.0	12/07/18
18L0278-15 [T5-W]	B218698	10.9	10.0	12/07/18
18L0278-16 [T6-E]	B218698	10.2	10.0	12/07/18
18L0278-17 [T6-C]	B218698	10.9	10.0	12/07/18
18L0278-18 [T6-W]	B218698	10.1	10.0	12/07/18
18L0278-19 [T7-E]	B218698	10.4	10.0	12/07/18
18L0278-20 [T7-C]	B218698	10.7	10.0	12/07/18

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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
18L0278-21 [T7-W]	B218699	10.2	10.0	12/07/18
18L0278-22 [T8-E]	B218699	10.3	10.0	12/07/18
18L0278-23 [T8-C]	B218699	10.2	10.0	12/07/18
18L0278-24 [T8-W]	B218699	10.3	10.0	12/07/18
18L0278-25 [DUP-SE1]	B218699	10.2	10.0	12/07/18
18L0278-26 [DUP-SE2]	B218699	10.6	10.0	12/07/18
18L0278-27 [Outfall-1]	B218699	10.1	10.0	12/07/18
18L0278-28 [Outfall-2]	B218699	10.4	10.0	12/07/18
18L0278-29 [Outfall-3]	B218699	10.9	10.0	12/07/18

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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 B218698 - SW-846 3540C										
Blank (B218698-BLK1)				Prepared: 12/07/18 Analyzed: 12/10/18						
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	*0.234*		mg/Kg wet	0.200		117	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.211*		mg/Kg wet	0.200		106	30-150			
Surrogate: Tetrachloro-m-xylene	*0.195*		mg/Kg wet	0.200		97.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.196*		mg/Kg wet	0.200		97.8	30-150			
LCS (B218698-BS1)				Prepared: 12/07/18 Analyzed: 12/10/18						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		98.5	40-140			
Aroclor-1016 [2C]	0.20	0.020	mg/Kg wet	0.200		102	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.5	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		96.8	40-140			
Surrogate: Decachlorobiphenyl	*0.242*		mg/Kg wet	0.200		121	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.218*		mg/Kg wet	0.200		109	30-150			
Surrogate: Tetrachloro-m-xylene	*0.202*		mg/Kg wet	0.200		101	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.205*		mg/Kg wet	0.200		102	30-150			
LCS Dup (B218698-BSD1)				Prepared: 12/07/18 Analyzed: 12/10/18						
Aroclor-1016	0.20	0.020	mg/Kg wet	0.200		97.5	40-140	0.947	30	
Aroclor-1016 [2C]	0.21	0.020	mg/Kg wet	0.200		104	40-140	2.09	30	
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.2	40-140	0.327	30	
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		94.7	40-140	2.19	30	
Surrogate: Decachlorobiphenyl	*0.246*		mg/Kg wet	0.200		123	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.223*		mg/Kg wet	0.200		111	30-150			
Surrogate: Tetrachloro-m-xylene	*0.208*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.211*		mg/Kg wet	0.200		105	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 B218698 - SW-846 3540C										
Matrix Spike (B218698-MS1)	**Source: 18L0278-01**			Prepared: 12/07/18 Analyzed: 12/11/18						
Aroclor-1016	0.20	0.023	mg/Kg dry	0.233	ND	87.2	40-140			
Aroclor-1016 [2C]	0.21	0.023	mg/Kg dry	0.233	ND	88.3	40-140			
Aroclor-1260	0.19	0.023	mg/Kg dry	0.233	ND	79.6	40-140			
Aroclor-1260 [2C]	0.19	0.023	mg/Kg dry	0.233	ND	80.3	40-140			
Surrogate: Decachlorobiphenyl	*0.239*		mg/Kg dry	0.233		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.225*		mg/Kg dry	0.233		96.8	30-150			
Surrogate: Tetrachloro-m-xylene	*0.225*		mg/Kg dry	0.233		96.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.225*		mg/Kg dry	0.233		96.8	30-150			
Matrix Spike Dup (B218698-MSD1)	**Source: 18L0278-01**			Prepared: 12/07/18 Analyzed: 12/11/18						
Aroclor-1016	0.21	0.025	mg/Kg dry	0.246	ND	86.3	40-140	4.71	50	
Aroclor-1016 [2C]	0.22	0.025	mg/Kg dry	0.246	ND	87.8	40-140	5.13	50	
Aroclor-1260	0.20	0.025	mg/Kg dry	0.246	ND	79.6	40-140	5.76	50	
Aroclor-1260 [2C]	0.20	0.025	mg/Kg dry	0.246	ND	82.3	40-140	8.14	50	
Surrogate: Decachlorobiphenyl	*0.250*		mg/Kg dry	0.246		101	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.239*		mg/Kg dry	0.246		96.9	30-150			
Surrogate: Tetrachloro-m-xylene	*0.227*		mg/Kg dry	0.246		92.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.228*		mg/Kg dry	0.246		92.7	30-150			
Batch B218699 - SW-846 3540C										
Blank (B218699-BLK1)				Prepared: 12/07/18 Analyzed: 12/10/18						
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	*0.194*		mg/Kg wet	0.200		96.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.187*		mg/Kg wet	0.200		93.5	30-150			
Surrogate: Tetrachloro-m-xylene	*0.163*		mg/Kg wet	0.200		81.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.168*		mg/Kg wet	0.200		84.2	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 B218699 - SW-846 3540C										
LCS (B218699-BS1)				Prepared: 12/07/18 Analyzed: 12/10/18						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		91.1	40-140			
Aroclor-1016 [2C]	0.19	0.020	mg/Kg wet	0.200		92.6	40-140			
Aroclor-1260	0.19	0.020	mg/Kg wet	0.200		95.6	40-140			
Aroclor-1260 [2C]	0.19	0.020	mg/Kg wet	0.200		93.7	40-140			
Surrogate: Decachlorobiphenyl	*0.223*		mg/Kg wet	0.200		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.214*		mg/Kg wet	0.200		107	30-150			
Surrogate: Tetrachloro-m-xylene	*0.182*		mg/Kg wet	0.200		91.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.184*		mg/Kg wet	0.200		92.0	30-150			
LCS Dup (B218699-BSD1)				Prepared: 12/07/18 Analyzed: 12/10/18						
Aroclor-1016	0.18	0.020	mg/Kg wet	0.200		88.9	40-140	2.41	30	
Aroclor-1016 [2C]	0.18	0.020	mg/Kg wet	0.200		88.3	40-140	4.78	30	
Aroclor-1260	0.18	0.020	mg/Kg wet	0.200		90.7	40-140	5.25	30	
Aroclor-1260 [2C]	0.18	0.020	mg/Kg wet	0.200		89.0	40-140	5.12	30	
Surrogate: Decachlorobiphenyl	*0.216*		mg/Kg wet	0.200		108	30-150			
Surrogate: Decachlorobiphenyl [2C]	*0.207*		mg/Kg wet	0.200		104	30-150			
Surrogate: Tetrachloro-m-xylene	*0.176*		mg/Kg wet	0.200		88.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*0.179*		mg/Kg wet	0.200		89.6	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 B218806 - % Solids										
Duplicate (B218806-DUP4)	**Source: 18L0278-12**			Prepared: 12/09/18 Analyzed: 12/10/18						
% Solids	64.6		% Wt		67.9			4.95	20	
Duplicate (B218806-DUP5)	**Source: 18L0278-23**			Prepared: 12/09/18 Analyzed: 12/10/18						
% Solids	42.0		% Wt		43.4			3.12	20	

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

T2-E

Lab Sample ID: 18L0278-04 Date(s) Analyzed: 12/11/2018 12/11/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	2.4	
	2	0.000	-0.030	0.030	2.2	8.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

T2-C

Lab Sample ID: 18L0278-05 Date(s) Analyzed: 12/11/2018 12/11/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	1.9	
	2	0.000	-0.030	0.030	1.7	11.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

T3-C

Lab Sample ID: 18L0278-08 Date(s) Analyzed: 12/11/2018 12/11/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.057	
	2	0.000	-0.030	0.030	0.056	1.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

T4-E

Lab Sample ID: 18L0278-10 Date(s) Analyzed: 12/10/2018 12/10/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.57	
	2	0.000	-0.030	0.030	0.65	13.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

T4-C

Lab Sample ID: 18L0278-11 Date(s) Analyzed: 12/11/2018 12/11/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.057	
	2	0.000	-0.030	0.030	0.056	1.8

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

T5-E

Lab Sample ID: 18L0278-13 Date(s) Analyzed: 12/11/2018 12/11/2018

Instrument ID (1): ECD1 Instrument ID (2): ECD1

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.078	
	2	0.000	-0.030	0.030	0.073	6.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

DUP-SE1

Lab Sample ID: 18L0278-25 Date(s) Analyzed: 12/11/2018 12/11/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	0.059	
	2	0.000	-0.030	0.030	0.080	30.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Outfall-1

Lab Sample ID: 18L0278-27 Date(s) Analyzed: 12/11/2018 12/11/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.7	
	2	0.000	-0.030	0.030	4.4	17.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Outfall-2

Lab Sample ID: 18L0278-28 Date(s) Analyzed: 12/11/2018 12/11/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	3.4	
	2	0.000	-0.030	0.030	3.9	13.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Outfall-3

Lab Sample ID: 18L0278-29 Date(s) Analyzed: 12/11/2018 12/11/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	-0.030	0.030	8.2	
	2	0.000	-0.030	0.030	9.6	15.7

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B218698-BS1 Date(s) Analyzed: 12/10/2018 12/10/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B218698-BSD1 Date(s) Analyzed: 12/10/2018 12/10/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike

Lab Sample ID: B218698-MS1 Date(s) Analyzed: 12/11/2018 12/11/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.21	4.9
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B218698-MSD1 Date(s) Analyzed: 12/11/2018 12/11/2018

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

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.21	
	2	0.000	-0.030	0.030	0.22	4.7
Aroclor-1260	1	0.000	-0.030	0.030	0.20	
	2	0.000	-0.030	0.030	0.20	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B218699-BS1 Date(s) Analyzed: 12/10/2018 12/10/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.19	5.4
Aroclor-1260	1	0.000	-0.030	0.030	0.19	
	2	0.000	-0.030	0.030	0.19	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B218699-BSD1 Date(s) Analyzed: 12/10/2018 12/10/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0
Aroclor-1260	1	0.000	-0.030	0.030	0.18	
	2	0.000	-0.030	0.030	0.18	0.0

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1221	CT,NH,NY,ME,NC,VA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1232	CT,NH,NY,ME,NC,VA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1242	CT,NH,NY,ME,NC,VA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1248	CT,NH,NY,ME,NC,VA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1254	CT,NH,NY,ME,NC,VA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1260	CT,NH,NY,ME,NC,VA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA
Aroclor-1262	NY,NC,VA
Aroclor-1262 [2C]	NY,NC,VA
Aroclor-1268	NY,NC,VA
Aroclor-1268 [2C]	NY,NC,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 3

Company Name:	Weston & Sampson
Address:	273 Dividend Rd
Phone:	800-SAMPSON
Project Name:	27 Parsons Ln
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	AB/WS/GP

Turnaround Time (Business Days)
7-Day ☐ 10-Day ☐
Due Date:

Data Deliverables (Summary)
1-Day ☐ 3-Day ☑
2-Day ☐ 4-Day ☐

Data Deliverables (Detail)
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: willsonj@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PBCs										# of Containers / [2] Preservation Code / [3] Container Code
1	T1-E	12/5/2018	920		X	SOL	U	X										
2	T1-C	12/5/2018	920		X			X										
3	T1-W	12/5/2018	920		X			X										
4	T2-E	12/5/2018	925		X			X										
5	T2-C	12/5/2018	925		X			X										
6	T2-W	12/5/2018	925		X			X										
7	T3-E	12/5/2018	930		X			X										
8	T3-C	12/5/2018	930		X			X										
9	T3-W	12/5/2018	930		X			X										
10	T4-E	12/5/2018	935		X			X										

Field Filtered ○ Lab to Filter

Field Filtered ○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Eversource Pricing
*Sediment samples

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 12/5 900	
Received by: (signature)	Date/Time: 12.6.18 10:20	
Relinquished by: (signature)	Date/Time:	
Received by: (signature) 2.8 5.3	Date/Time: 12-6-18 1825	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Lab Use Only: Temperature Upon Receipt °C

Special Requirements:
☐ MA MCP Required
☐ MCP Certification Form Required
☑ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 2 of 3

Company Name:	Weston & Sampson
Address:	273 Dividend Rd
Phone:	800-SAMPSON
Project Name:	27 Parsons Ln
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	AB/WS/GP

Turnaround Time (TAT) Requested
7-Day ☐ 10-Day ☐
Due Date:

1-Day ☐ 3-Day ☑
2-Day ☐ 4-Day ☐

Report Format / Deliverables
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: willsonj@wseinc.com
Fax To #:

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	PBCs	1	I	A	# of Containers	² Preservation Code	³ Container Code	Field Filtered	Lab to Filter
11	T4 - C	12/5/2018	935		X	SOL	C	X								
12	T4 - W	12/5/2018	935		X			X								
13	T5 - E	12/5/2018	1135		X			X								
14	T5 - C	12/5/2018	1125		X			X								
15	T5 - W	12/5/2018	1130		X			X								
16	T6 - E	12/5/2018	1110		X			X								
17	T6 - C	12/5/2018	1105		X			X								
18	T6 - W	12/5/2018	1115		X			X								
19	T7 - E	12/5/2018	1150		X			X								
20	T7 - C	12/5/2018	1145		X			X								

ANALYSIS REQUESTED

Field Filtered ○
Lab to Filter ○

Field Filtered ○
Lab to Filter ○

¹ Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

² Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

³ Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Eversource Pricing
*Sediment Samples

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 12/5 900	
Received by: (signature)	Date/Time: 12/6/18 10:20	
Relinquished by: (signature)	Date/Time:	
Received by: (signature) 2.8 5.5	Date/Time: 1825 12-6-18	
Relinquished by: (signature)	Date/Time:	
Received by: (signature)	Date/Time:	

Lab Use Only
Temp °C
Custody Seal Present? ☐
Cooler Temp °C

Special Requirements
☐ MA MCP Required
☐ MCP Certification Form Required
☑ CT RCP Required
☐ RCP Certification Form Required
☐ MA State DW Required
PWSID #

con-test® ANALYTICAL LABORATORY
www.contestlabs.com
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

con-test ANALYTICAL LABORATORY

MEK

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

http://www.contestlabs.com

1810278

CHAIN OF CUSTODY RECORD

Doc # 381 Rev 1_03242017

39 Spruce Street
East Longmeadow, MA 01028

Company:	Weston & Sampson
Address:	273 Dividend Rd
Phone:	800-SAMPSON
Project Name:	27 Parsons Ln
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	AB/WS/GP

Turnaround Time: 7-Day ☐ 10-Day ☐ Due Date:

Reporting Limits: 1-Day ☐ 3-Day ☑ 2-Day ☐ 4-Day ☐

Data Format: Format: PDF ☑ EXCEL ☑ Other:

CLP Like Data Pkg Required: ☐

Email To: willsonj@wseinc.com

Fax To #:

ANALYSIS REQUESTED

PBCs

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	# of Containers	[2] Preservation Code	[3] Container Code
21	TJW	12/5/2018	1155		X	SOL	U			
22	T8-E	12/5/2018	1200		X		U			
23	T8-C	12/5/2018	1205		X		U			
24	T8-W	12/5/2018	1205		X		U			
25	DUP S21	12/5/2018	1150		X		U			
26	DUP S22	12/5/2018	1200		X		U			
27	Outfall-1	12/5/2018	955		X		H U			
28	Outfall-2	12/5/2018	1000		X		H U			
29	Outfall-3	12/5/2018	1005		X		H U			
		12/5/2018			X		U			

Field Filtered ○ Lab to Filter

Field Filtered ○ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: Eversource Pricing

* Sediment Samples

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time: 12/5 700	Lab Use Only	Special Requirements
Received by: (signature)	Date/Time: 12-6-18 10:20		☐ MA MCP Required
Relinquished by: (signature)	Date/Time:		MCP Certification Form Required
			☑ CT RCP Required
Received by: (signature) 2.8 3.5	Date/Time: 1025 12-6-18		RCP Certification Form Required
Relinquished by: (signature)	Date/Time:		☐ MA State DW Required
Received by: (signature)	Date/Time:		PWSID #

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NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

con-test® ANALYTICAL LABORATORY

Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston + Sampson

Received By LR Date 12-6-18 Time 1825

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____ Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.8, 5.5

By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA

Was COC Relinquished ? T Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T Were samples received within holding time? T

Did COC include all pertinent Information? Client T Analysis T Sampler Name T

Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F Who was notified? _____

Are there Rushes? T Who was notified? Kayla

Are there Short Holds? F Who was notified? _____

Is there enough Volume? T

Is there Headspace where applicable? NA MS/MSD? C

Proper Media/Containers Used? T Is splitting samples required? F

Were trip blanks received? F On COC? T

Do all samples have the proper pH? Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	2
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 27 Parsons Ln., Durham, CT

Project Number: 18L0278

Laboratory Sample ID(s):
18L0278-01 thru 18L0278-29

Sample Date(s):
12/05/2018

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.

Lisa A. Worthington

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: Lisa Worthington **Position:** Project Manager

Printed Name: Lisa A. Worthington **Date:** 12/11/18

Name of Laboratory: Con-Test Analytical Laboratory

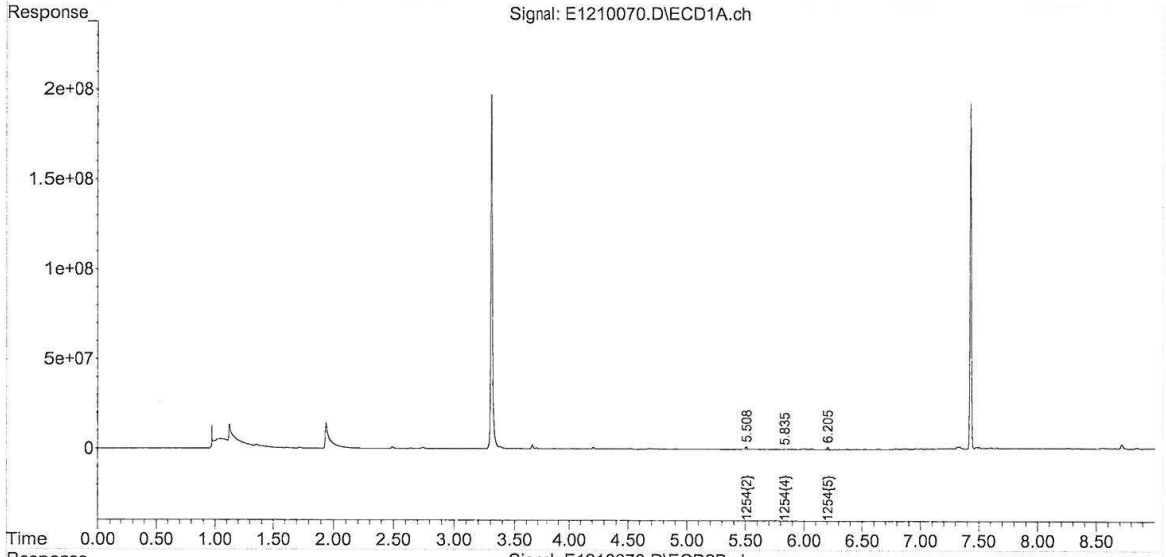
This certification form is to be used for RCP methods only.

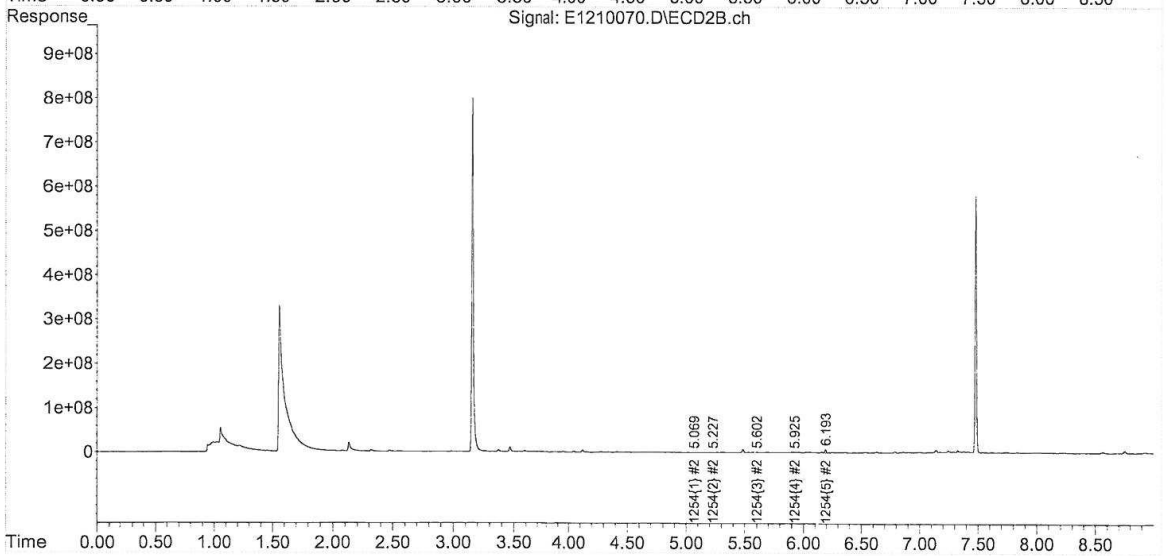
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : E1210070.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 9:56 am
Operator : JMB
Sample : 18L0278-01@TBA Inst : ECD 5
Misc :
ALS Vial : 70 Sample Multiplier: 1

Integration File signal 1: 1254-F.E
Integration File signal 2: 1254-B.E
Quant Time: Dec 11 14:53:43 2018
Quant Method : C:\msdchem\1\methods\PCB methods\5-1254-120818.M
Quant Title : 1254 11/27/18 11/06/18 ICAL 1800376
QLast Update : Tue Dec 04 17:30:31 2018
Response via : Initial Calibration
Integrator: ChemStation

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





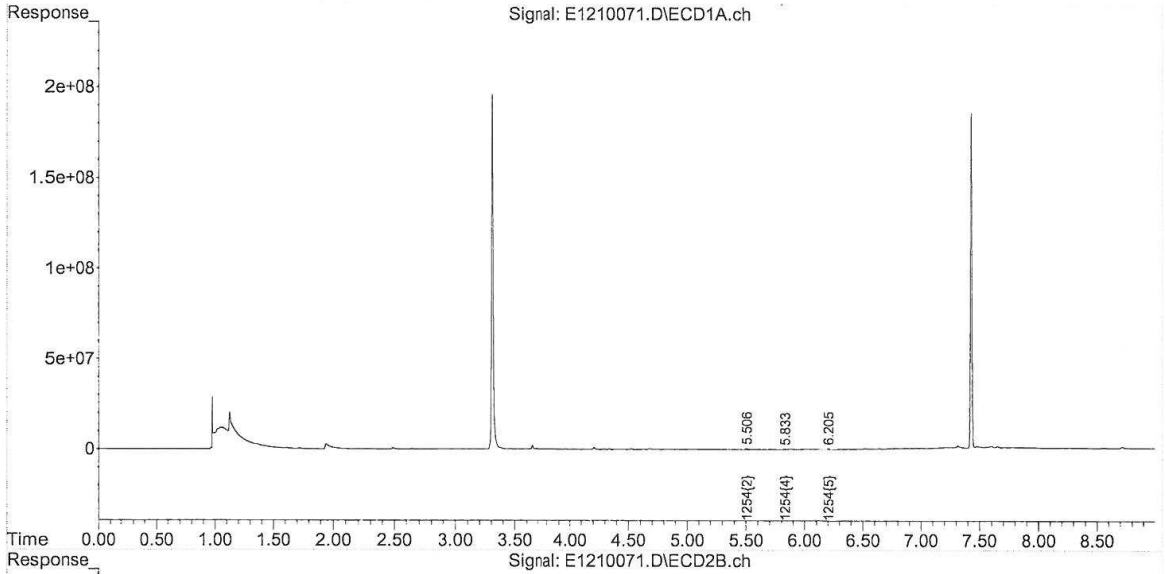
5-1254-120818.M Tue Dec 11 15:26:24 2018

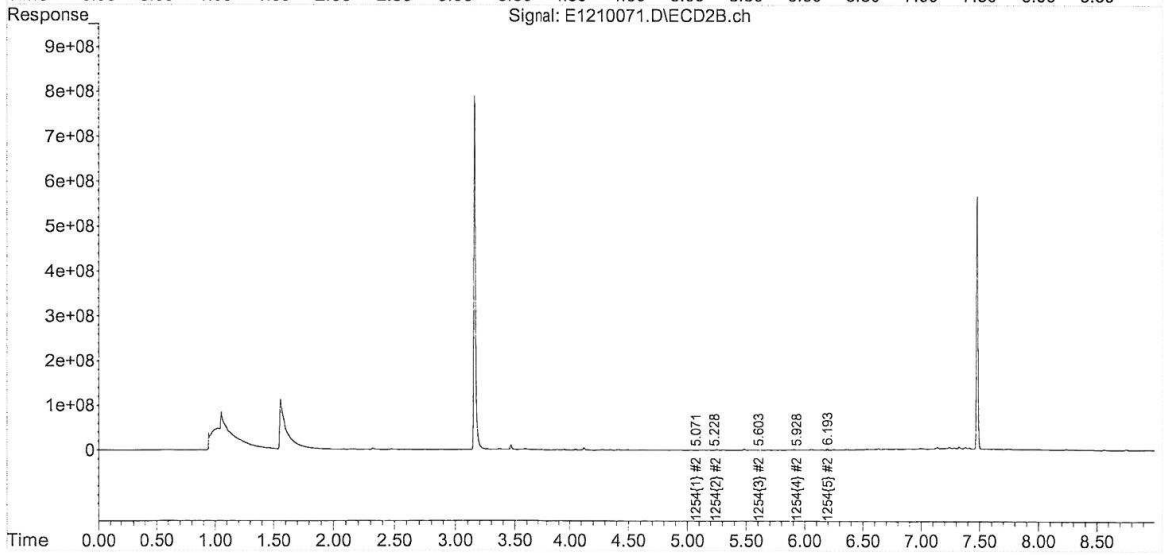
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : E1210071.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 10:08 am
Operator : JMB
Sample : 18L0278-02@TBA Inst : ECD 5
Misc :
ALS Vial : 71 Sample Multiplier: 1

Integration File signal 1: 1254-F.E
Integration File signal 2: 1254-B.E
Quant Time: Dec 11 14:53:46 2018
Quant Method : C:\msdchem\1\methods\PCB methods\5-1254-120818.M
Quant Title : 1254 11/27/18 11/06/18 ICAL 1800376
QLast Update : Tue Dec 04 17:30:31 2018
Response via : Initial Calibration
Integrator: ChemStation

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





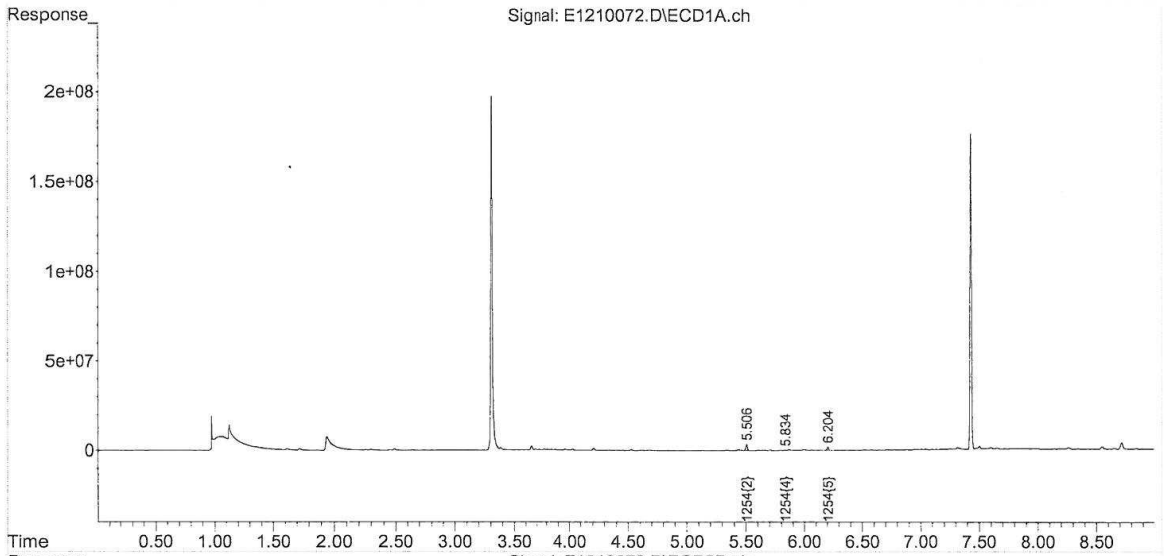
5-1254-120818.M Tue Dec 11 15:26:26 2018

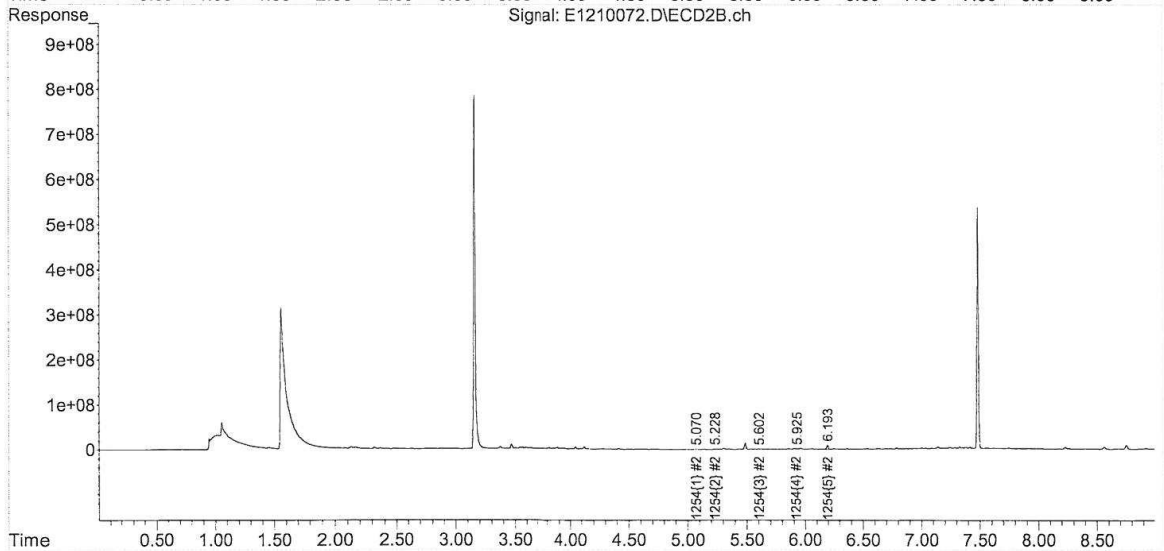
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : E1210072.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 10:21 am
Operator : JMB
Sample : 18L0278-03@TBA Inst : ECD 5
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: 1254-F.E
Integration File signal 2: 1254-B.E
Quant Time: Dec 11 14:53:48 2018
Quant Method : C:\msdchem\1\methods\PCB methods\5-1254-120818.M
Quant Title : 1254 11/27/18 11/06/18 ICAL 1800376
QLast Update : Tue Dec 04 17:30:31 2018
Response via : Initial Calibration
Integrator: ChemStation

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





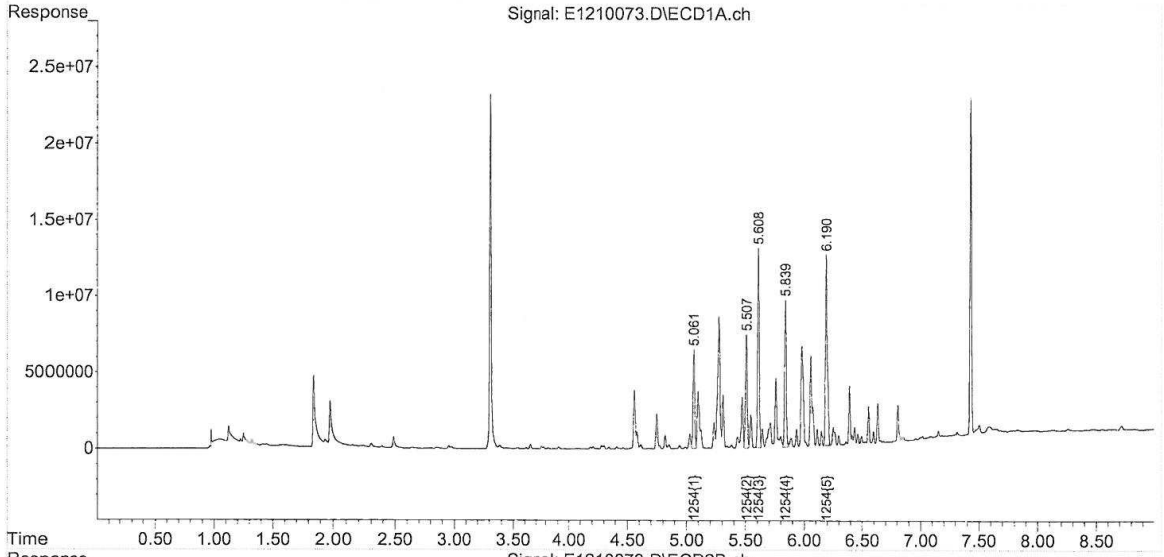
5-1254-120818.M Tue Dec 11 15:26:28 2018

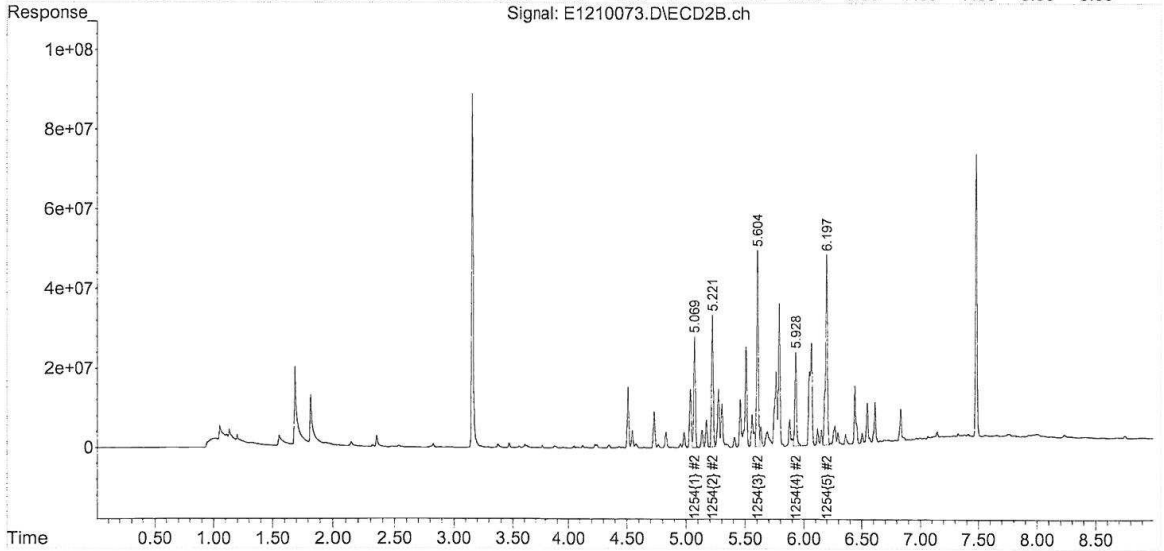
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : E1210073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 10:34 am
Operator : JMB
Sample : 18L0278-04@8X TBA Inst : ECD 5
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: 1254-F.E
Integration File signal 2: 1254-B.E
Quant Time: Dec 11 14:51:18 2018
Quant Method : C:\msdchem\1\methods\PCB methods\5-1254-120818.M
Quant Title : 1254 11/27/18 11/06/18 ICAL 1800376
QLast Update : Tue Dec 04 17:30:31 2018
Response via : Initial Calibration
Integrator: ChemStation

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





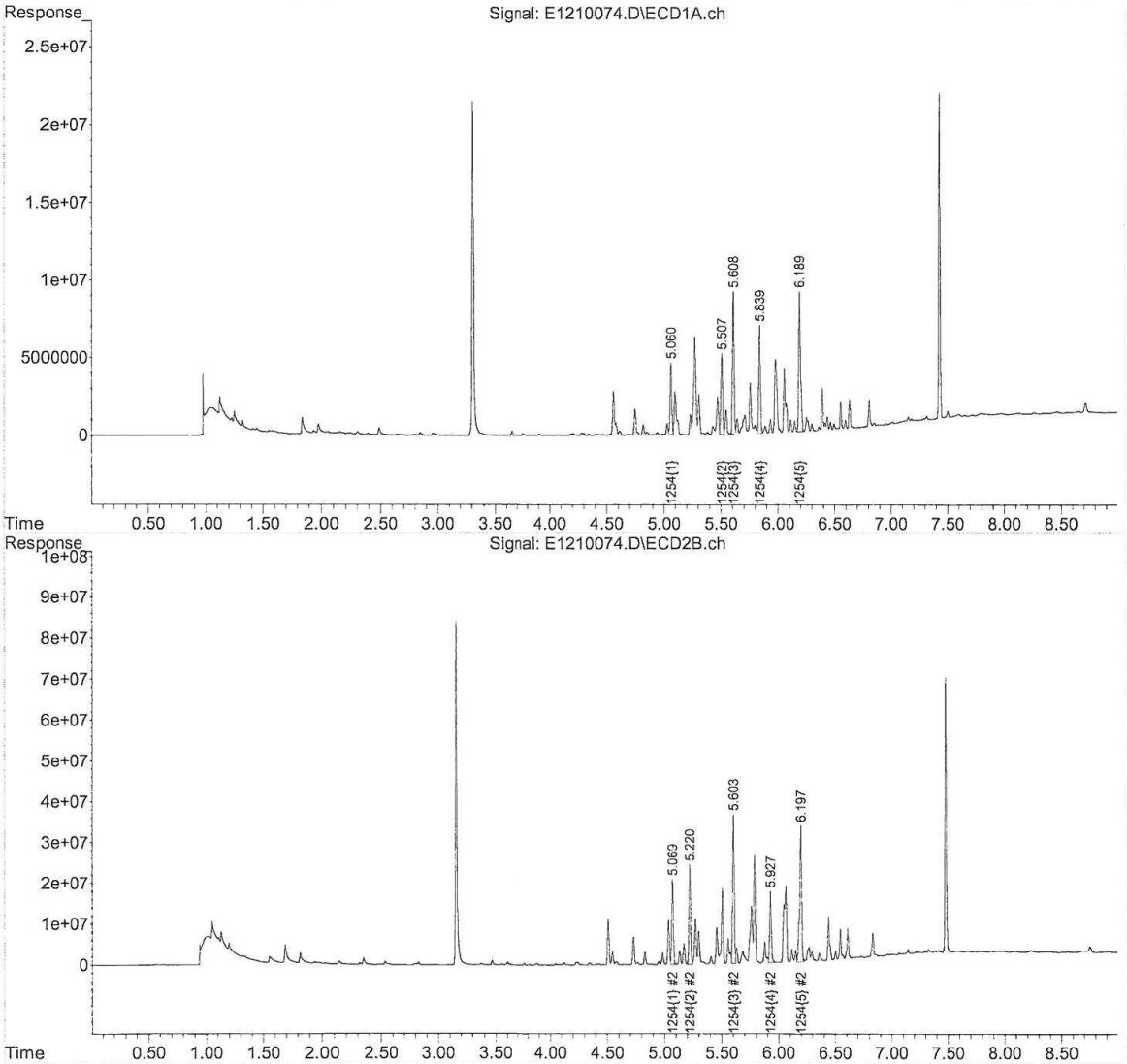
5-1254-120818.M Tue Dec 11 15:26:30 2018

Quantitation Report (Not Reviewed)

```
Data Path : C:\msdchem\1\data\121018\
Data File : E1210074.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 11 Dec 2018  10:46 am
Operator  : JMB
Sample    : 18L0278-05@8X TBA                          Inst    : ECD 5
Misc      :
ALS Vial  : 74   Sample Multiplier: 1

Integration File signal 1: 1254-F.E
Integration File signal 2: 1254-B.E
Quant Time: Dec 11 14:52:08 2018
Quant Method : C:\msdchem\1\methods\PCB methods\5-1254-120818.M
Quant Title  : 1254   11/27/18   11/06/18   ICAL 1800376
QLast Update : Tue Dec 04 17:30:31 2018
Response via : Initial Calibration
Integrator: ChemStation

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



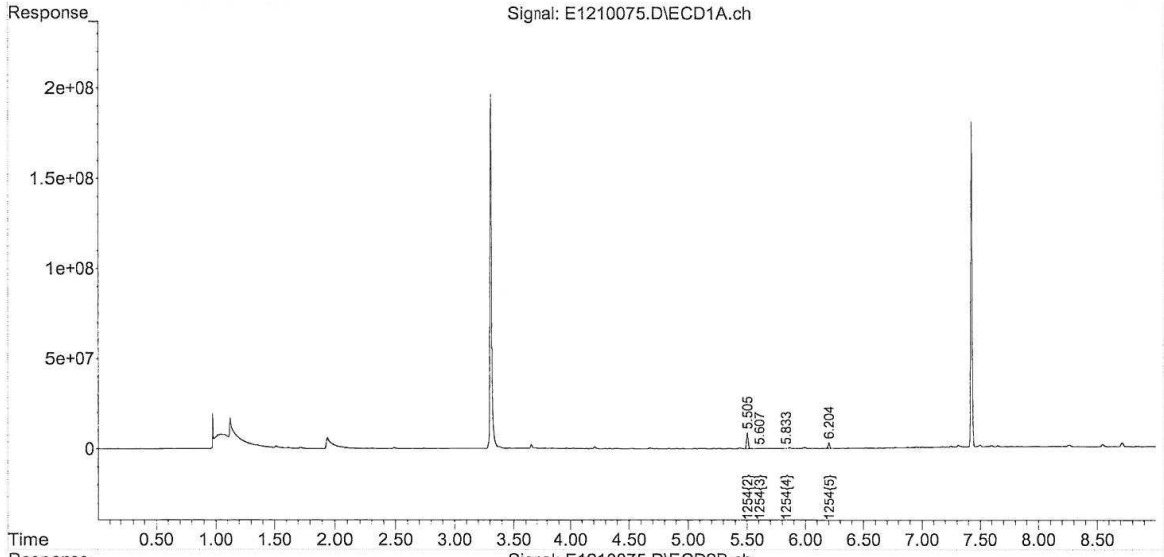
5-1254-120818.M Tue Dec 11 15:26:32 2018

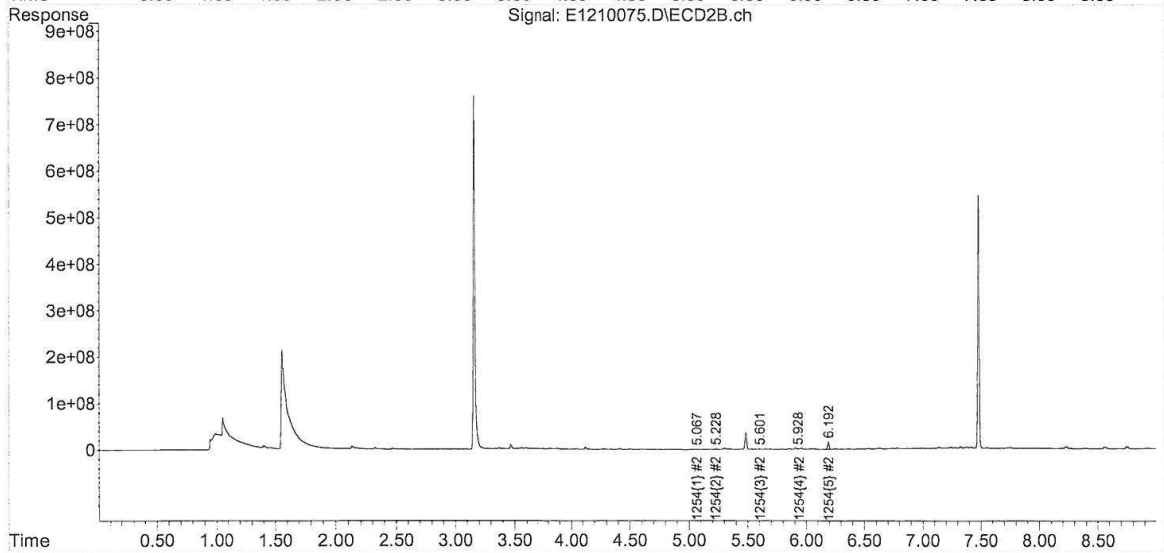
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : E1210075.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 10:59 am
Operator : JMB
Sample : 18L0278-06@TBA Inst : ECD 5
Misc :
ALS Vial : 75 Sample Multiplier: 1

Integration File signal 1: 1254-F.E
Integration File signal 2: 1254-B.E
Quant Time: Dec 11 14:53:50 2018
Quant Method : C:\msdchem\1\methods\PCB methods\5-1254-120818.M
Quant Title : 1254 11/27/18 11/06/18 ICAL 1800376
QLast Update : Tue Dec 04 17:30:31 2018
Response via : Initial Calibration
Integrator: ChemStation

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





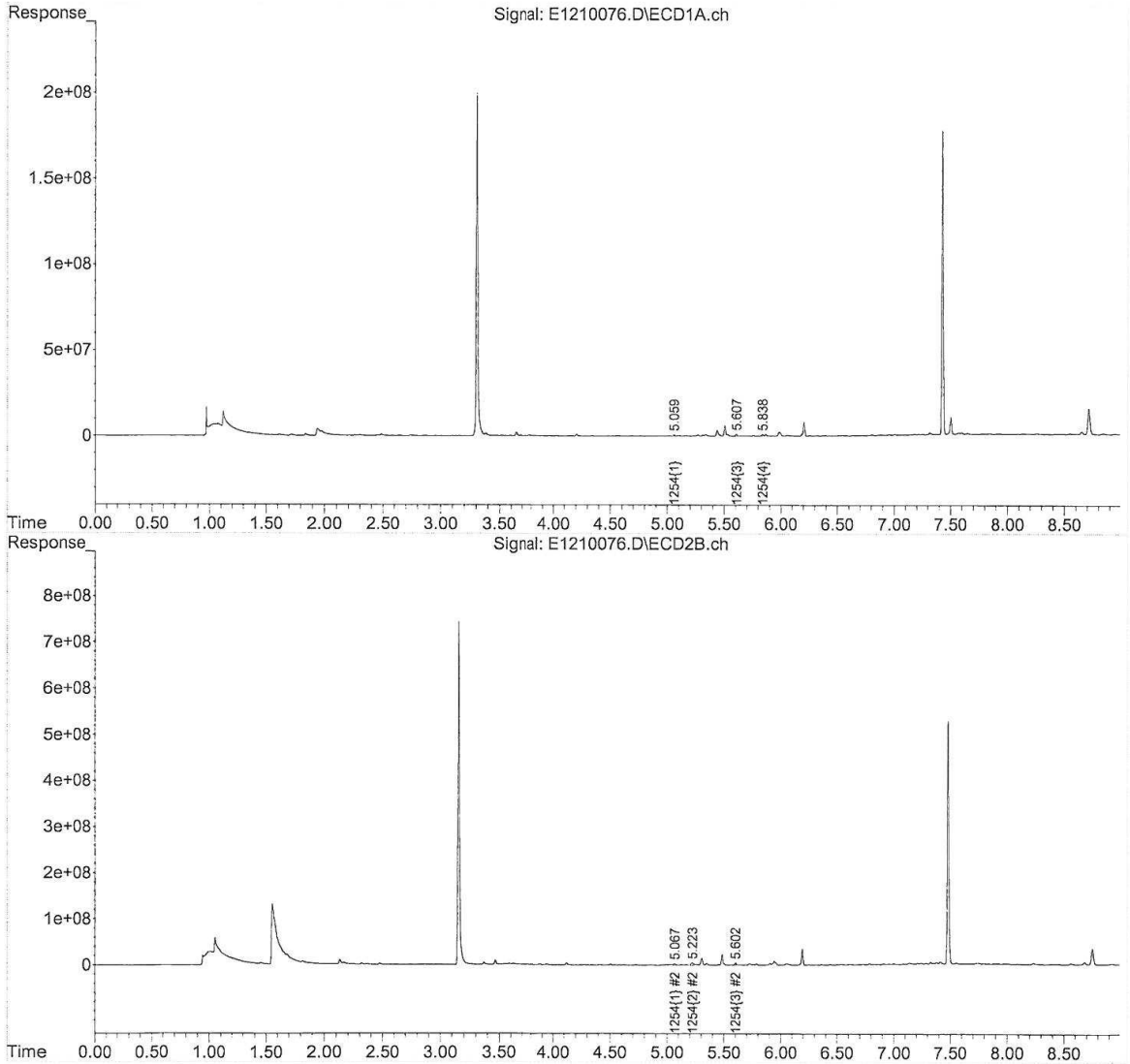
5-1254-120818.M Tue Dec 11 15:26:34 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : E1210076.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 11:11 am
Operator : JMB
Sample : 18L0278-07@TBA Inst : ECD 5
Misc :
ALS Vial : 76 Sample Multiplier: 1

Integration File signal 1: 1254-F.E
Integration File signal 2: 1254-B.E
Quant Time: Dec 11 14:53:52 2018
Quant Method : C:\msdchem\1\methods\PCB methods\5-1254-120818.M
Quant Title : 1254 11/27/18 11/06/18 ICAL 1800376
QLast Update : Tue Dec 04 17:30:31 2018
Response via : Initial Calibration
Integrator: ChemStation

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



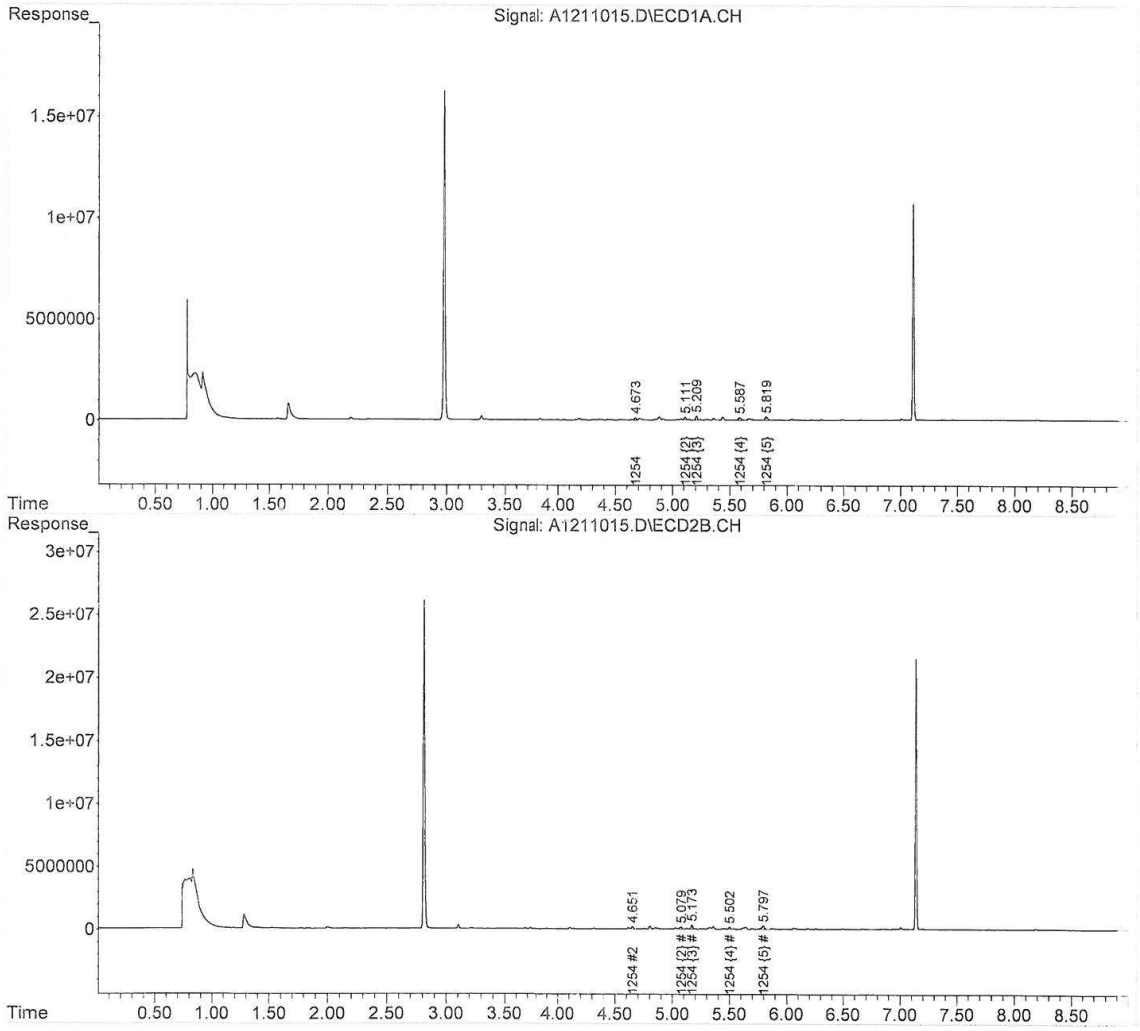
5-1254-120818.M Tue Dec 11 15:26:36 2018

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\121118\
Data File : A1211015.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2018 11:17 am
Operator : JMB
Sample : 18L0278-08@TBA Inst : HP G1530A
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: 54-F.E
Integration File signal 2: 54-B.E
Quant Time: Dec 11 13:15:01 2018
DataAcq Meth:PCB02.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-112818C.M
Quant Title : 1254 11/28/18 11/06/18 ICAL 1800377
QLast Update : Thu Nov 29 09:34:16 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

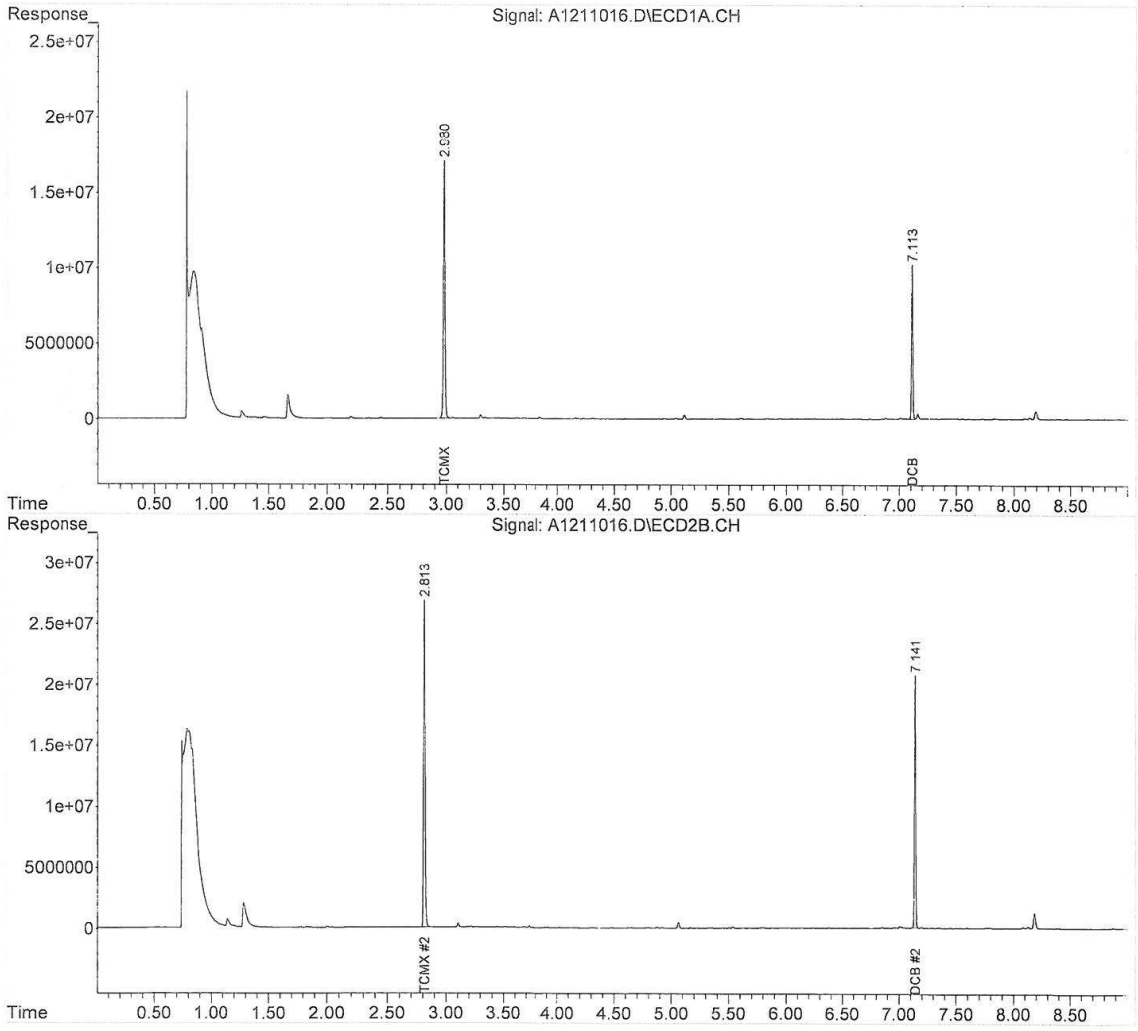


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\121118\
Data File : A1211016.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2018 11:30 am
Operator : JMB
Sample : 18L0278-09@TBA Inst : HP G1530A
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Dec 11 13:19:38 2018
DataAcq Meth:PCB02.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-112818C.M
Quant Title : 1260/1016 11/28/18 10/23/18 ICAL 1800377
QLast Update : Thu Nov 29 09:26:12 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



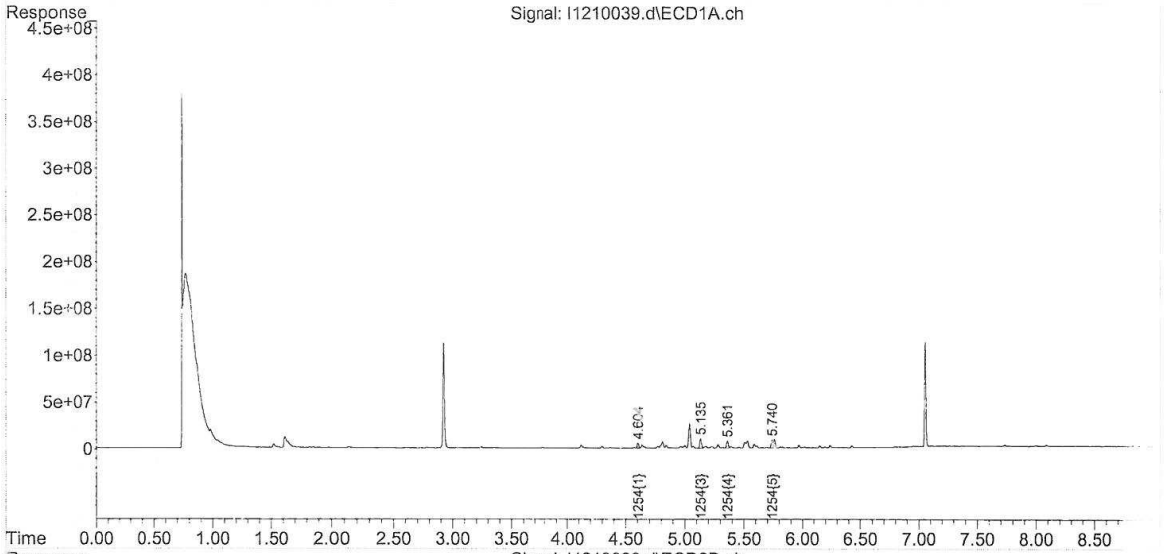
1-1260-112818C.M Tue Dec 11 14:42:02 2018

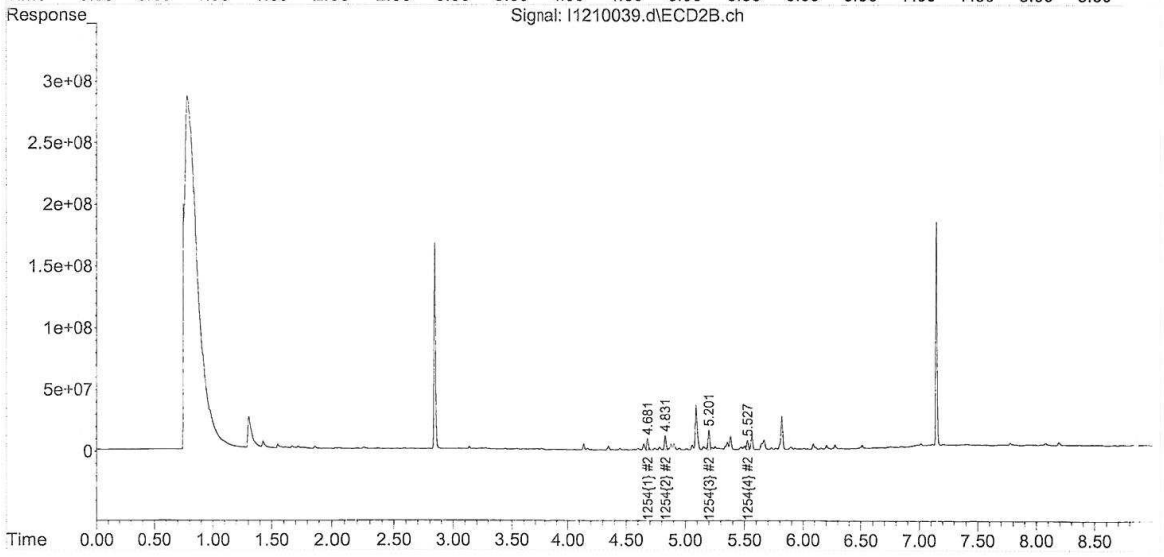
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : I1210039.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2018 4:50 pm
Operator : JMB
Sample : 18L0278-10@4X TBA Inst : ECD 9
Misc :
ALS Vial : 39 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Dec 11 09:06:29 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-120318C.M
Quant Title : 1254 12/03/18 11/06/18 ICAL 1800381
QLast Update : Tue Dec 04 09:25:10 2018
Response via : Initial Calibration
Integrator: ChemStation

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



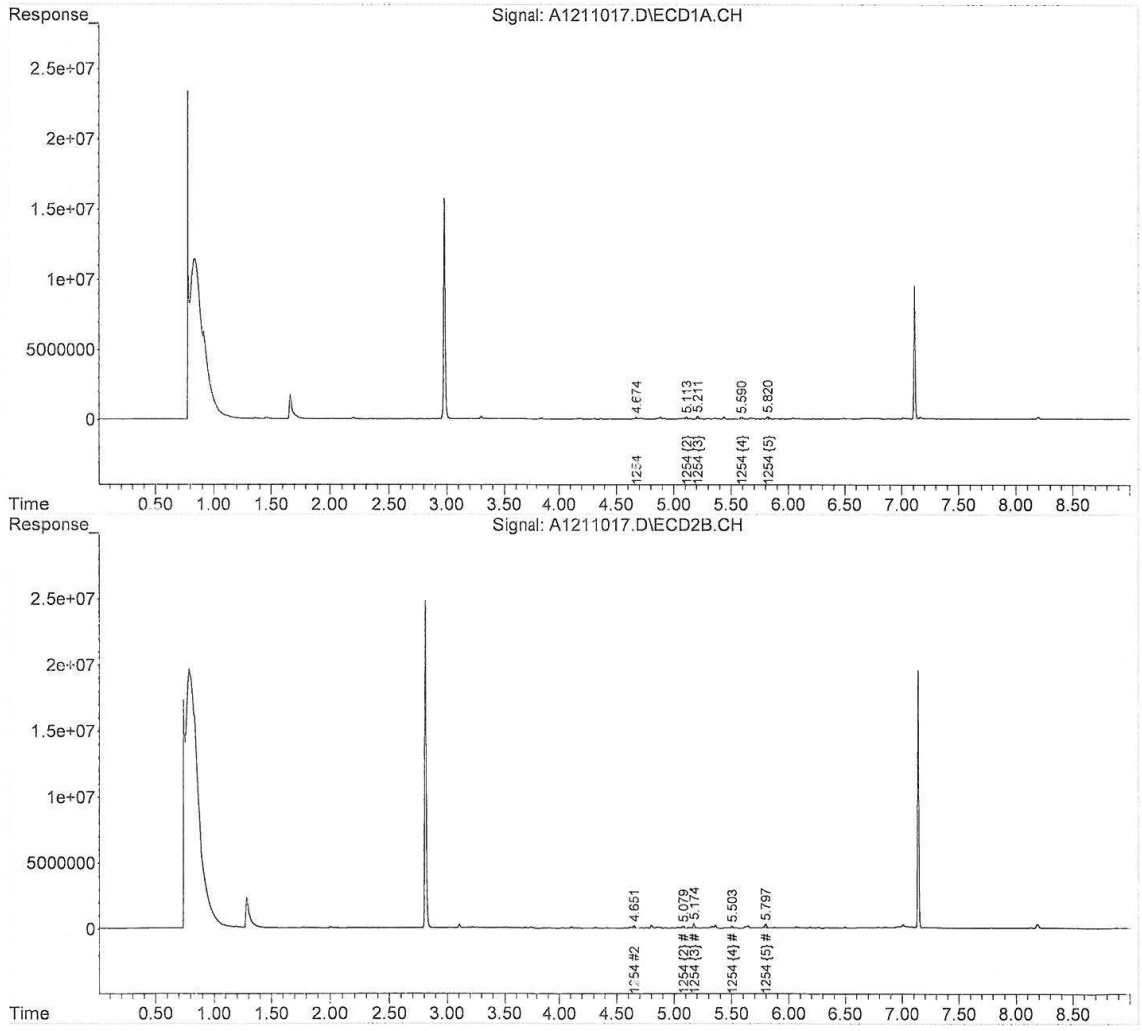


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\121118\
Data File : A1211017.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2018 11:43 am
Operator : JMB
Sample : 18L0278-11@TBA Inst : HP G1530A
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: 54-F.E
Integration File signal 2: 54-B.E
Quant Time: Dec 11 13:15:05 2018
DataAcq Meth:PCB02.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-112818C.M
Quant Title : 1254 11/28/18 11/06/18 ICAL 1800377
QLast Update : Thu Nov 29 09:34:16 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



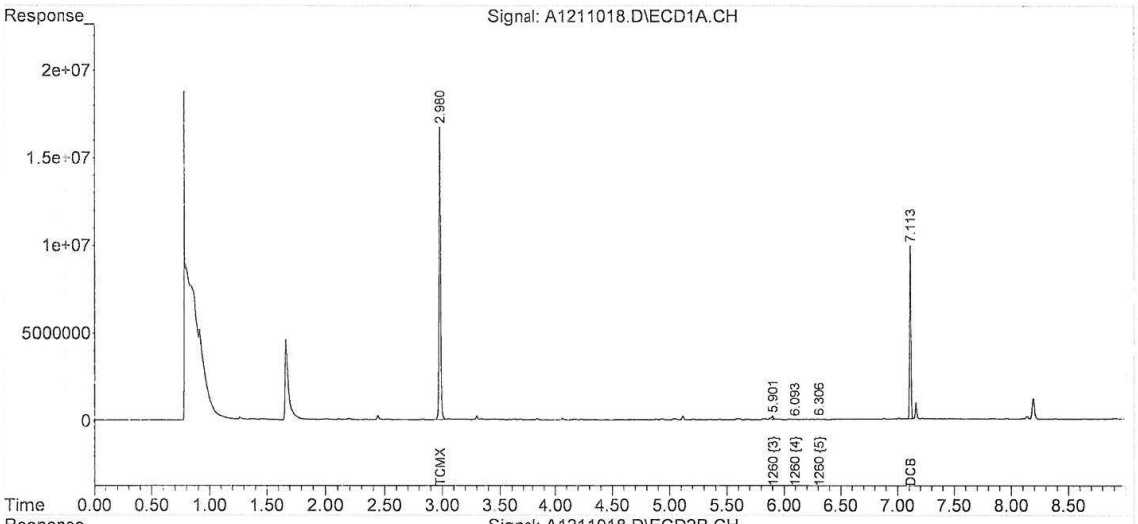
1-1254-112818C.M Tue Dec 11 14:42:37 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\121118\
Data File : A1211018.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2018 11:56 am
Operator : JMB
Sample : 18L0278-12@TBA Inst : HP G1530A
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Dec 11 13:20:43 2018
DataAcq Meth:PCB02.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-112818C.M
Quant Title : 1260/1016 11/28/18 10/23/18 ICAL 1800377
QLast Update : Thu Nov 29 09:26:12 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

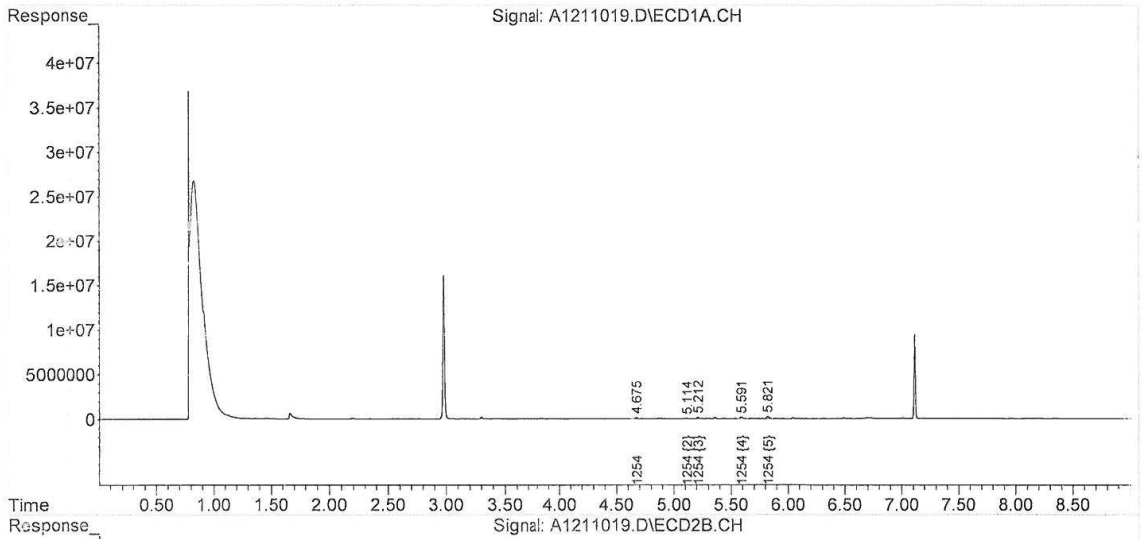


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\DATA\121118\
Data File : A1211019.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2018 12:09 pm
Operator : JMB
Sample : 18L0278-13@TBA Inst : HP G1530A
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: 54-F.E
Integration File signal 2: 54-B.E
Quant Time: Dec 11 13:15:09 2018
DataAcq Meth:PCB02.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1254-112818C.M
Quant Title : 1254 11/28/18 11/06/18 ICAL 1800377
QLast Update : Thu Nov 29 09:34:16 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

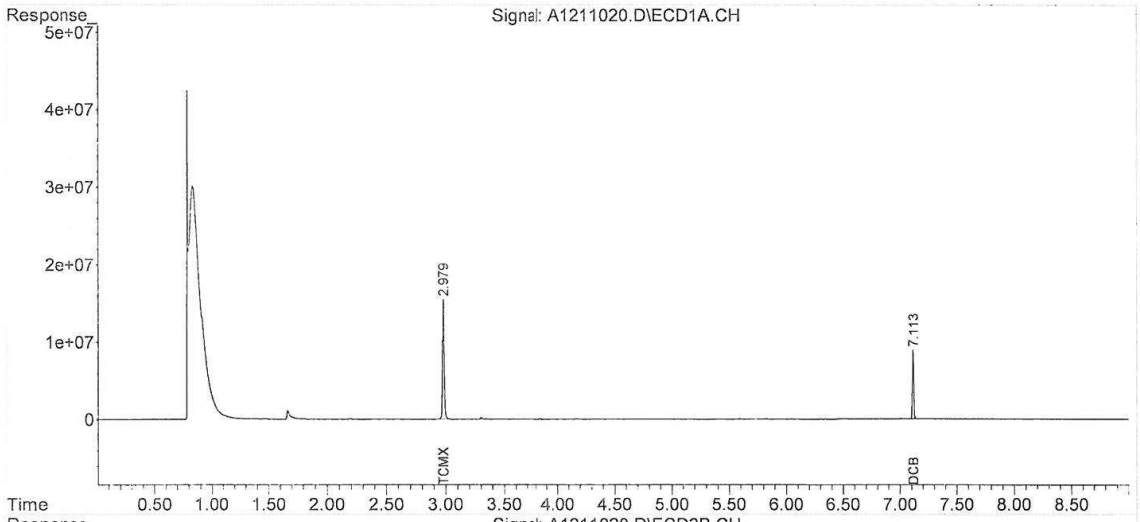


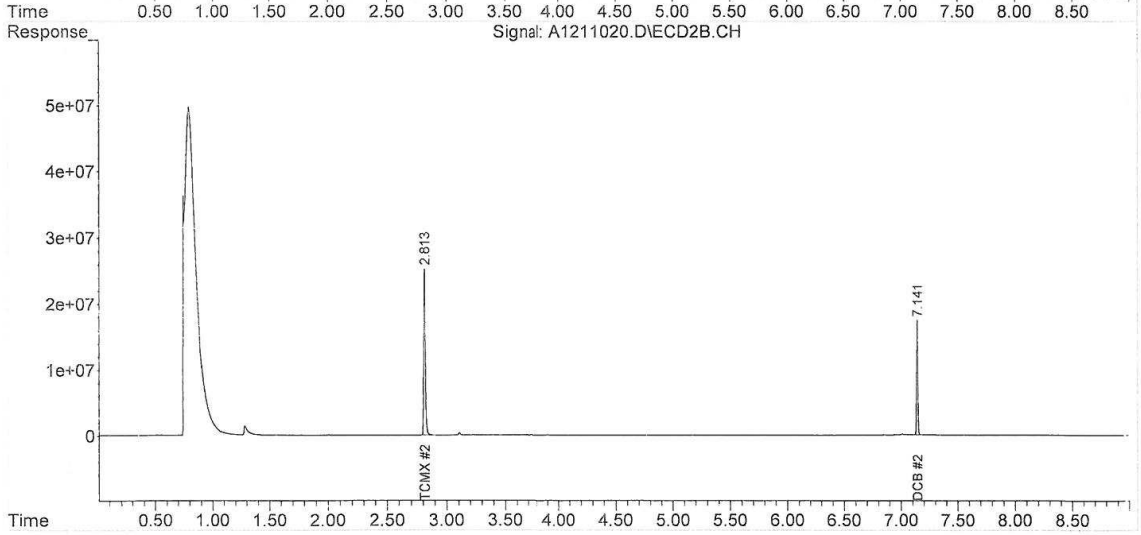
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\121118\
Data File : A1211020.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2018 12:21 pm
Operator : JMB
Sample : 18L0278-14@TBA Inst : HP G1530A
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Dec 11 13:21:42 2018
DataAcq Meth:PCB02.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-112818C.M
Quant Title : 1260/1016 11/28/18 10/23/18 ICAL 1800377
QLast Update : Thu Nov 29 09:26:12 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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



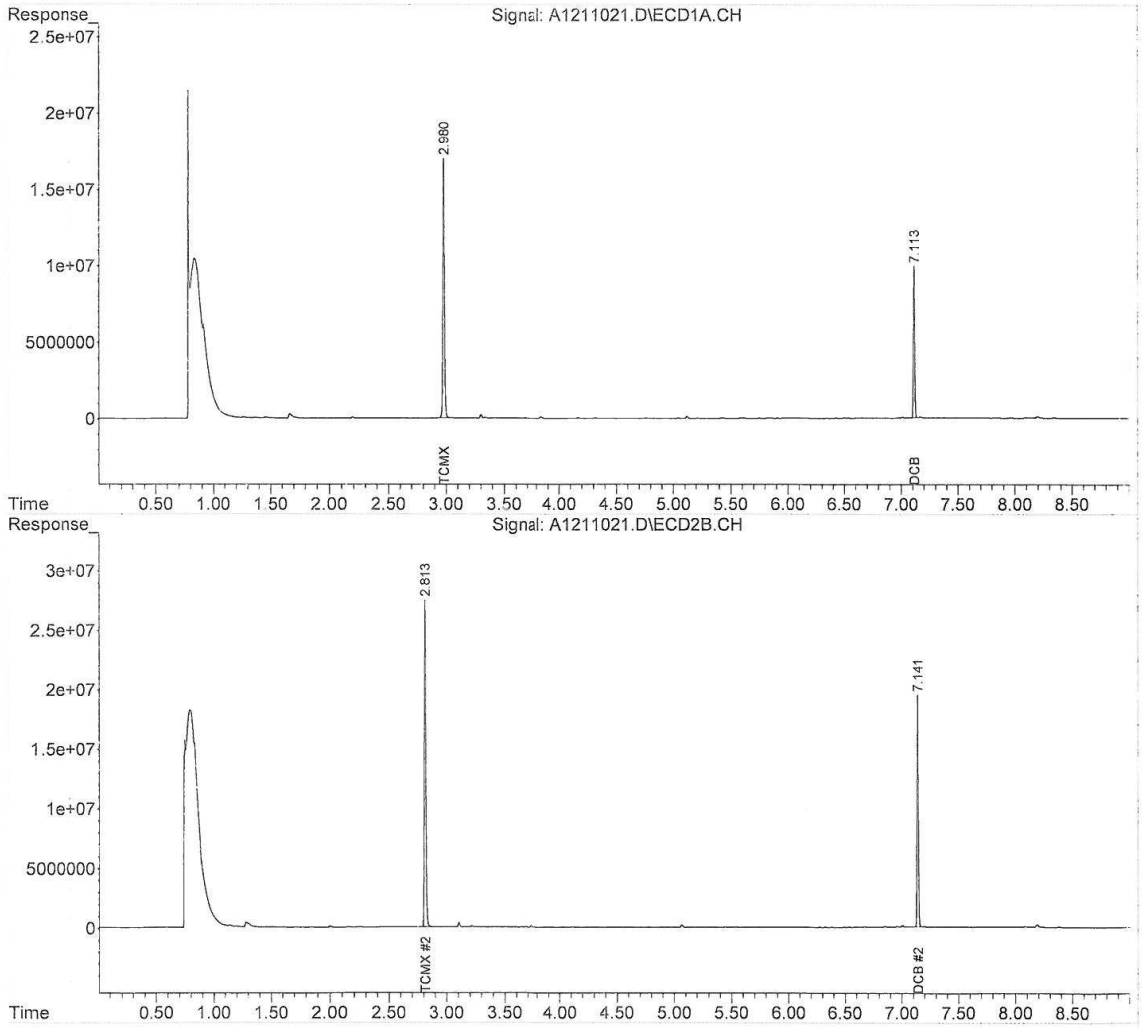


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\121118\
Data File : A1211021.D
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH
Acq On : 11 Dec 2018 12:34 pm
Operator : JMB
Sample : 18L0278-15@TBA Inst : HP G1530A
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: 16-F.E
Integration File signal 2: 60-B.E
Quant Time: Dec 11 13:22:16 2018
DataAcq Meth:PCB02.M
Quant Method : C:\msdchem\1\METHODS\PCB METHODS\1-1260-112818C.M
Quant Title : 1260/1016 11/28/18 10/23/18 ICAL 1800377
QLast Update : Thu Nov 29 09:26:12 2018
Response via : Initial Calibration
Integrator: ChemStation 6890 Scale Mode: Small noise peaks clipped

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

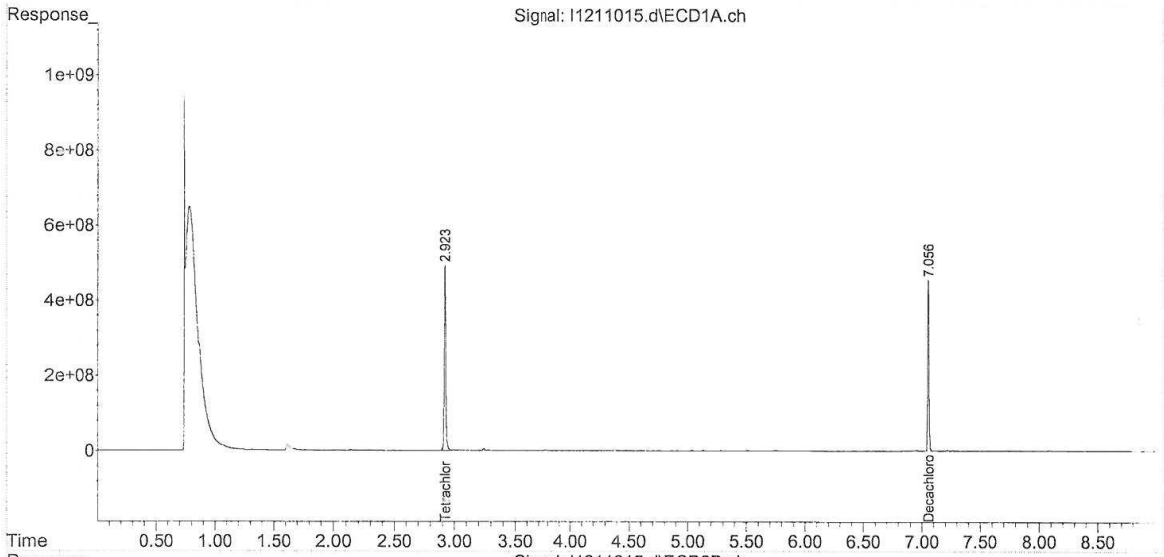


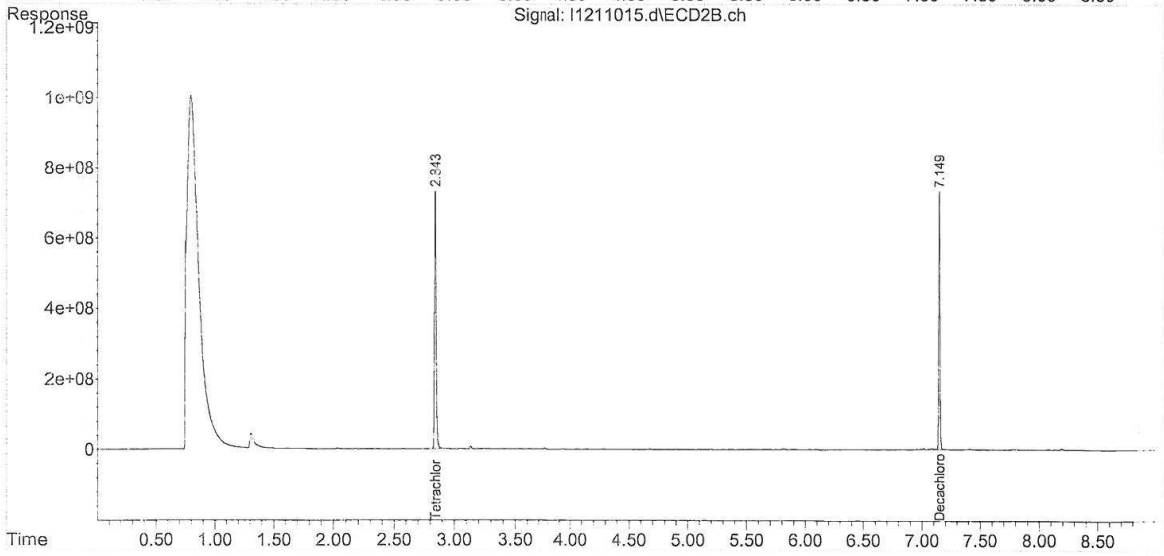
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\121118\
Data File : I1211015.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 11:29 am
Operator : JMB
Sample : 18L0278-16@TBA Inst : ECD 9
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 11 14:40:53 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-121118.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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



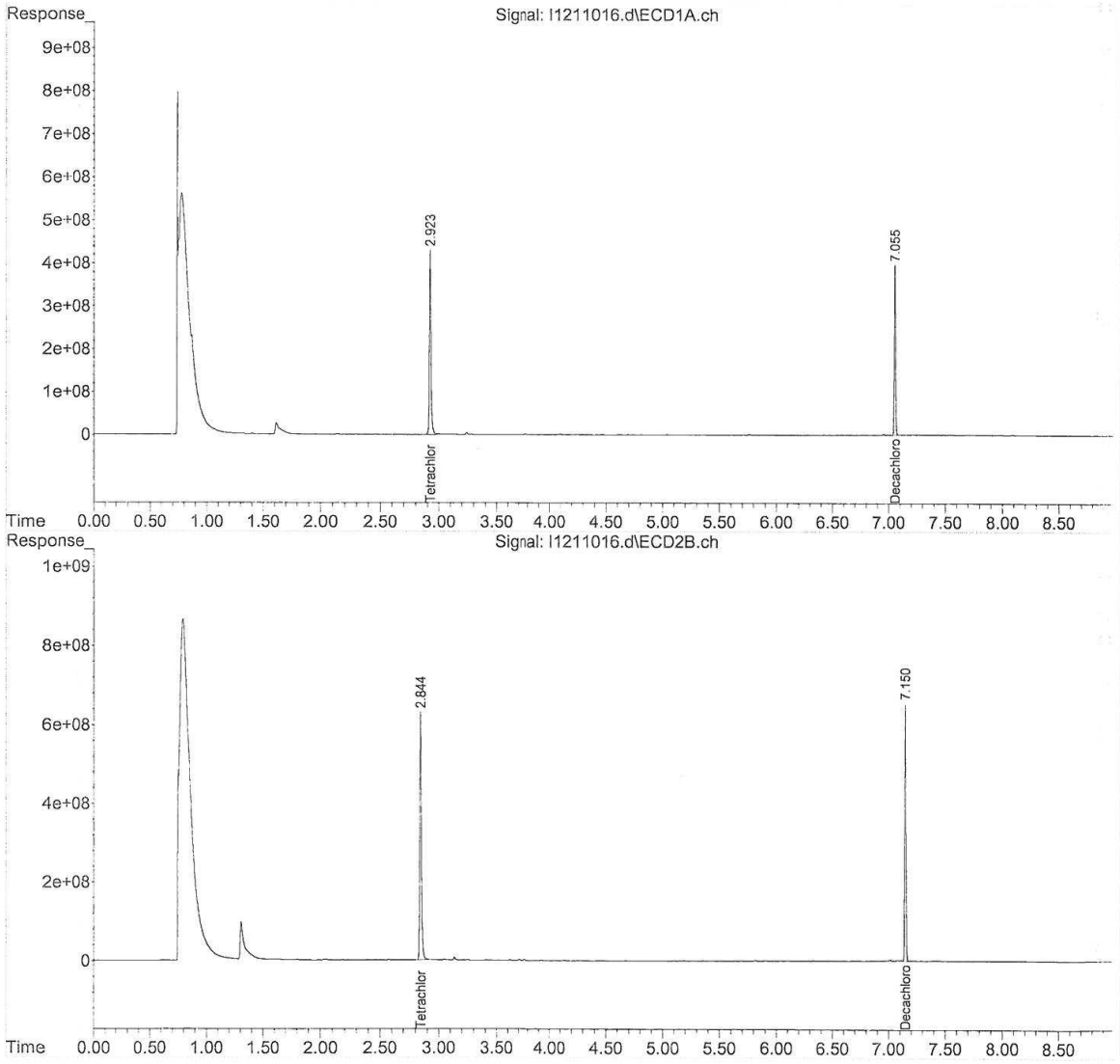


Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\121118\
Data File : I1211016.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 11:41 am
Operator : JMB
Sample : 18L0278-17@TBA Inst : ECD 9
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 11 14:45:18 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-121118.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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



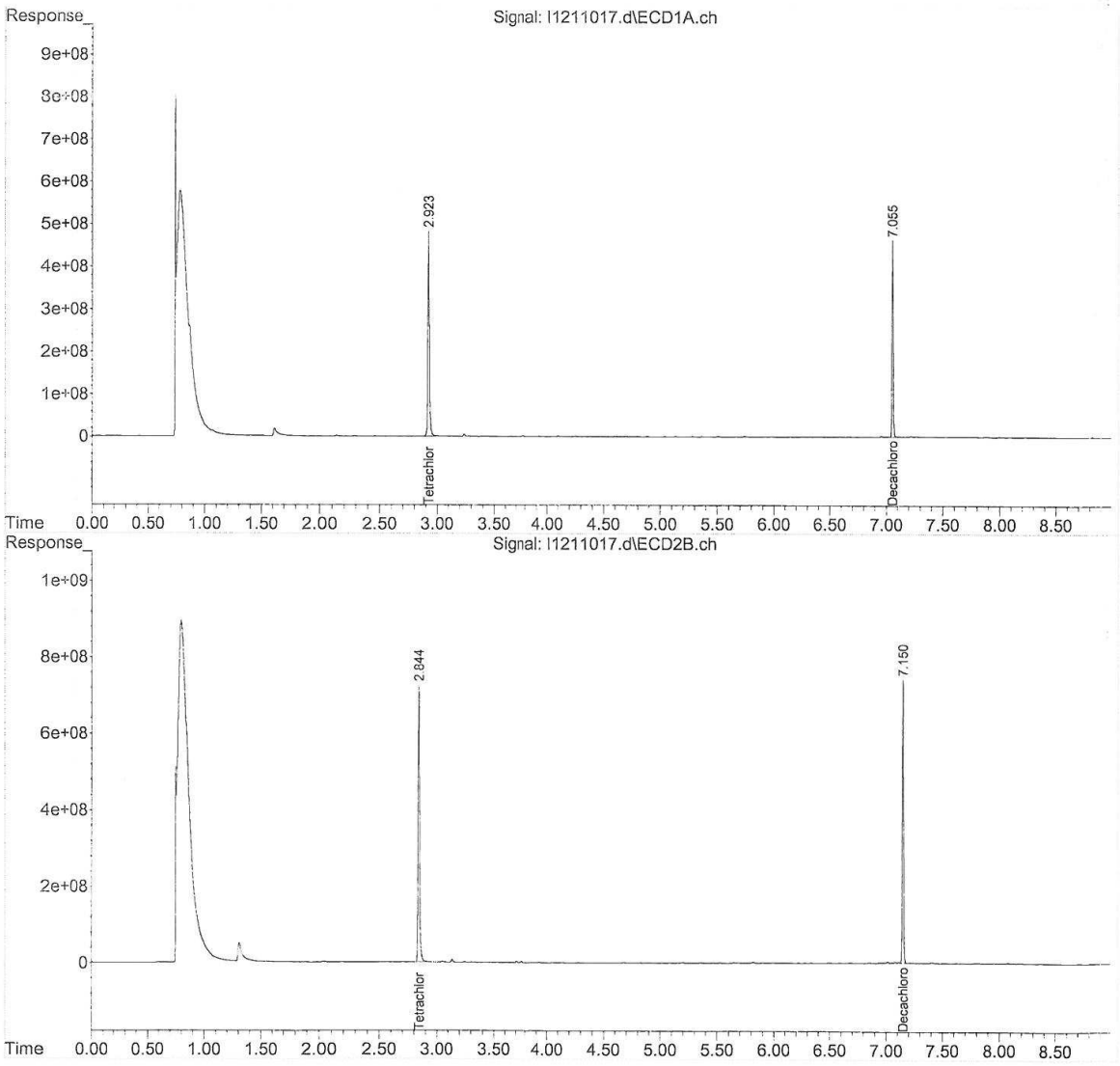
9-1260-121118.M Tue Dec 11 15:21:42 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\121118\
Data File : I1211017.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 11:53 am
Operator : JMB
Sample : 18L0278-18@TBA Inst : ECD 9
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 11 14:46:52 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-121118.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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



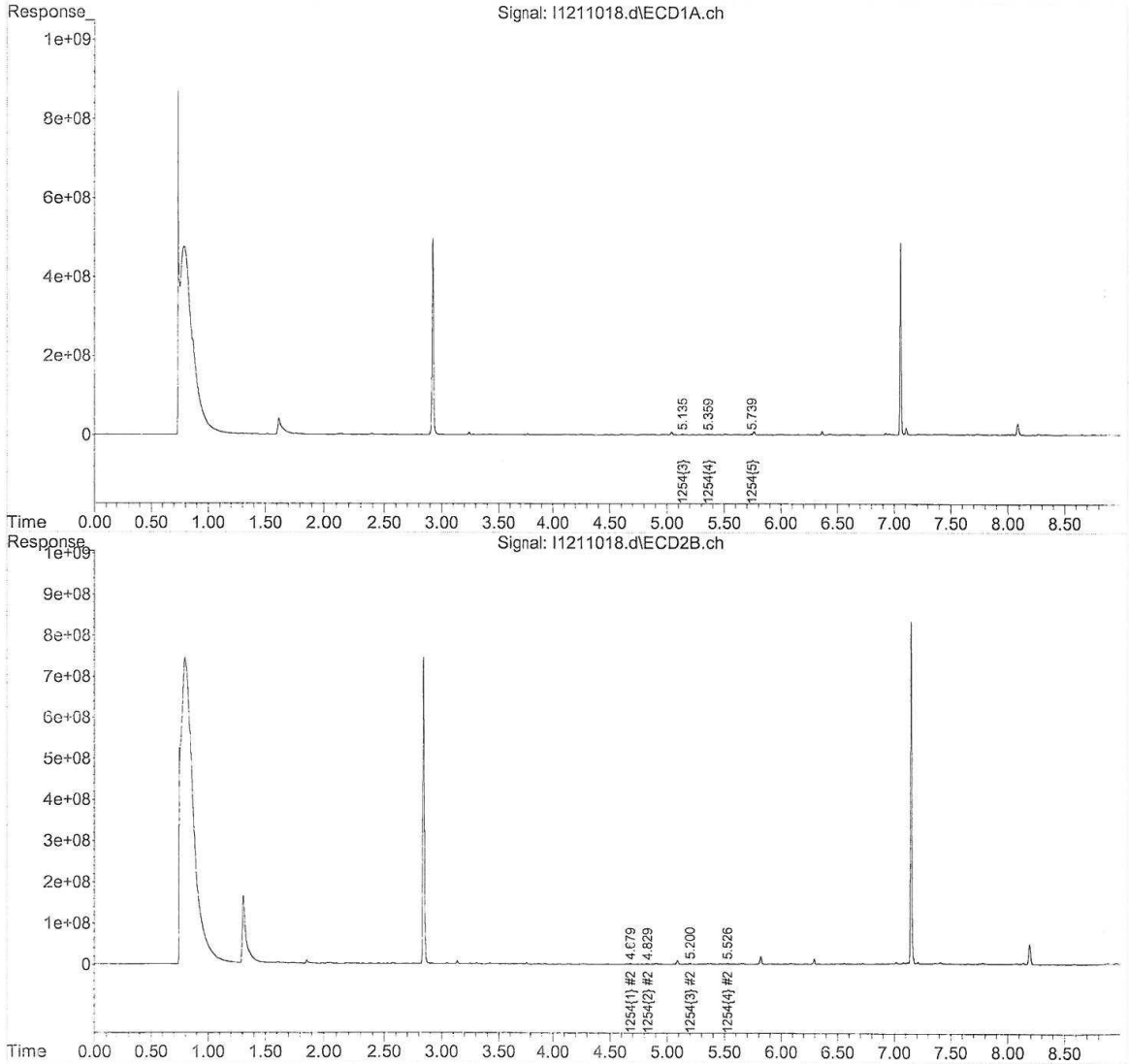
9-1260-121118.M Tue Dec 11 15:21:47 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\121118\
Data File : I1211018.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 12:06 pm
Operator : JMB
Sample : 18L0278-19@TBA Inst : ECD 9
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Dec 11 14:49:50 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1254-120318C.M
Quant Title : 1254 12/03/18 11/06/18 ICAL 1800381
QLast Update : Tue Dec 04 09:25:10 2018
Response via : Initial Calibration
Integrator: ChemStation

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



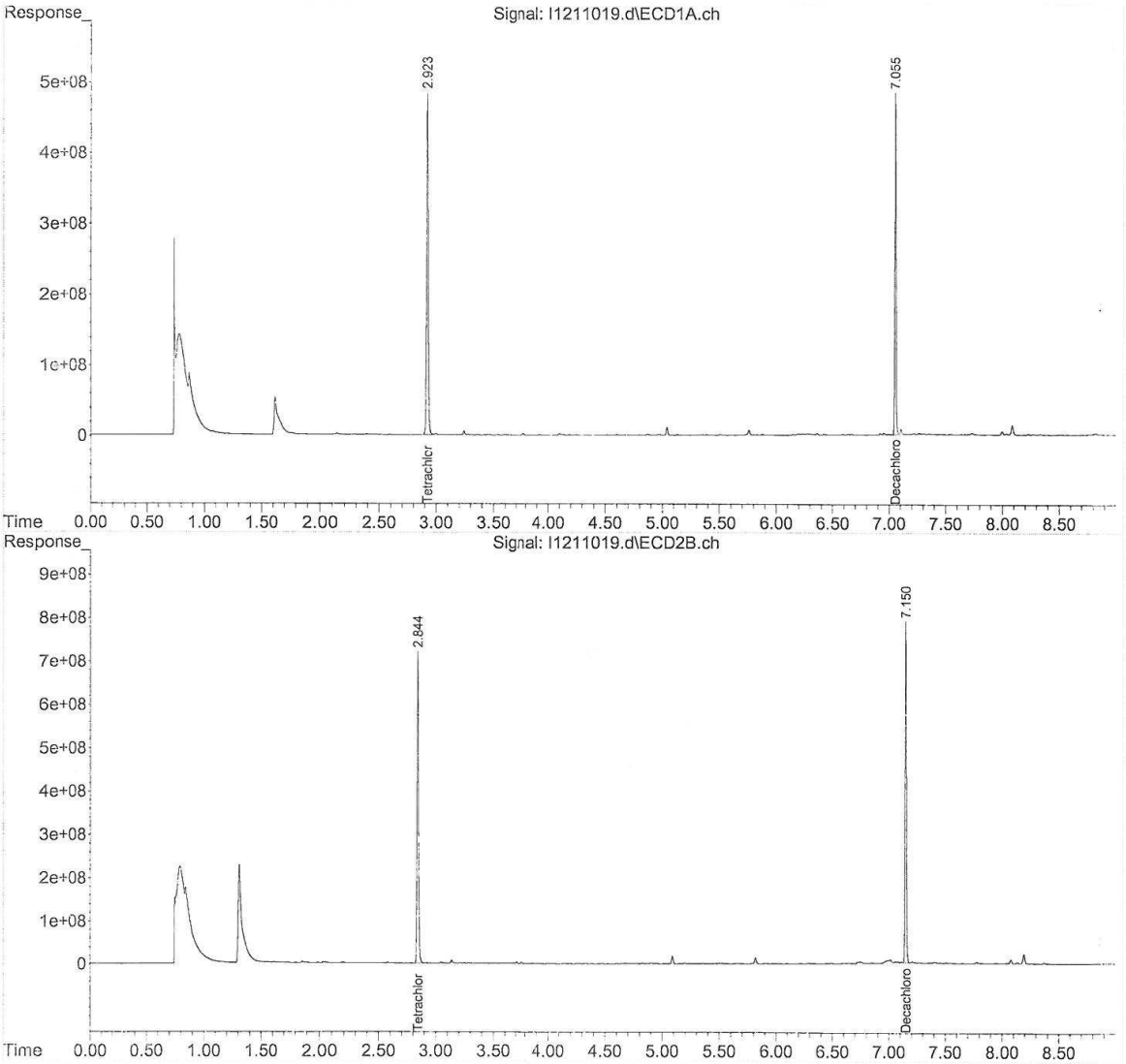
9-1254-120318C.M Tue Dec 11 15:22:20 2018

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\121118\
Data File : I1211019.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 12:18 pm
Operator : JMB
Sample : 18L0278-20@TBA Inst : ECD 9
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 11 14:55:42 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-121118.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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



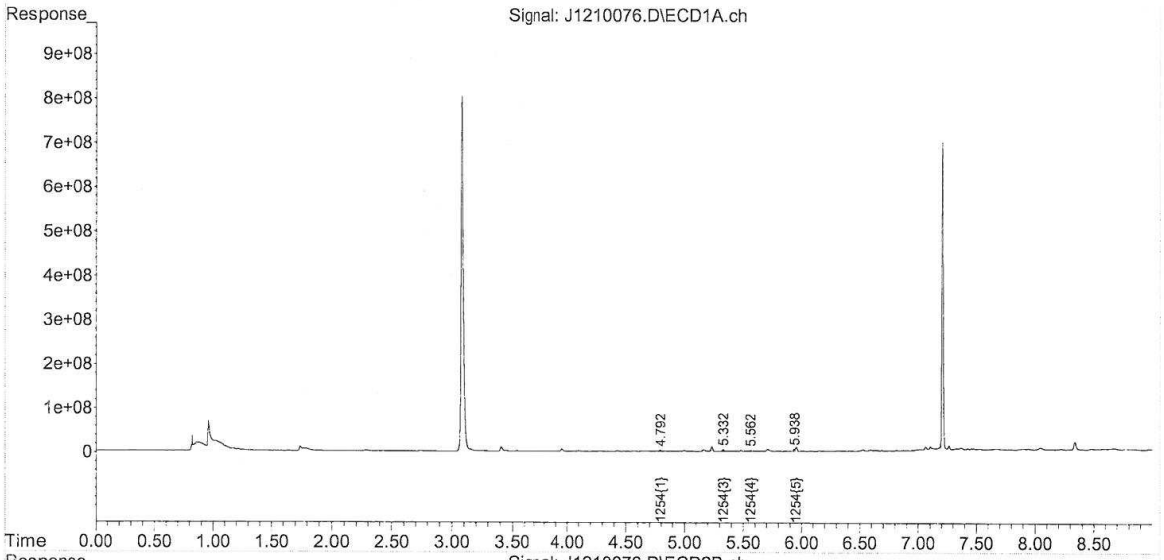
9-1260-121118.M Tue Dec 11 15:22:47 2018

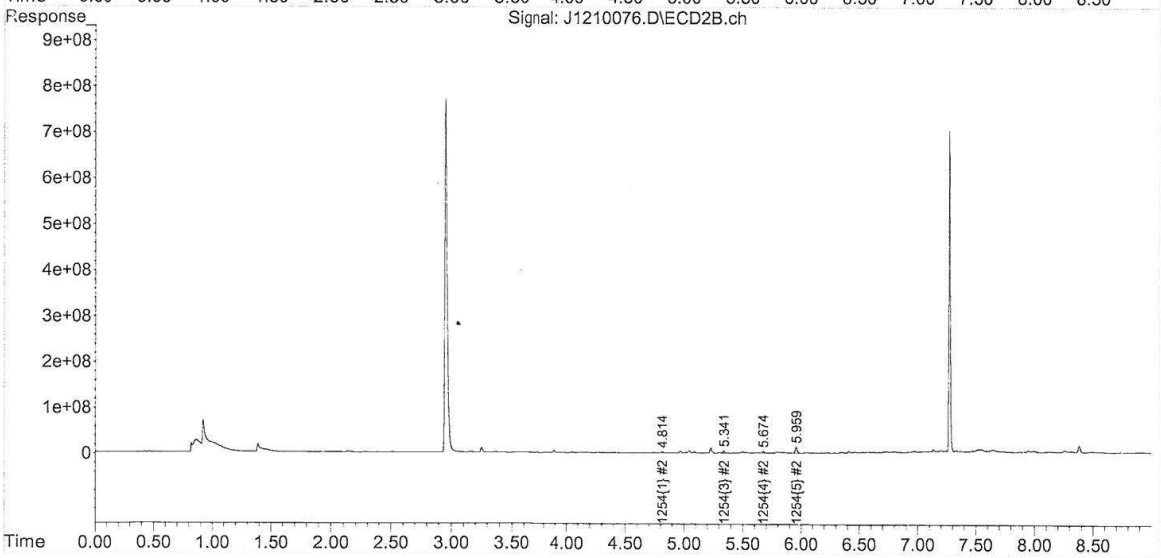
Quantitation Report (QT Reviewed)

```
Data Path : C:\msdchem\1\data\121018\
Data File : J1210076.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 11 Dec 2018  10:07 am
Operator  : JMB
Sample    : 18L0278-21@TBA                          Inst    : ECD10
Misc      :
ALS Vial  : 76   Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Dec 11 12:57:05 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-113018.M
Quant Title  : 1254   11/20/18   11/06/18   ICAL  1800371
QLast Update : Wed Nov 21 16:01:15 2018
Response via : Initial Calibration
Integrator: ChemStation

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



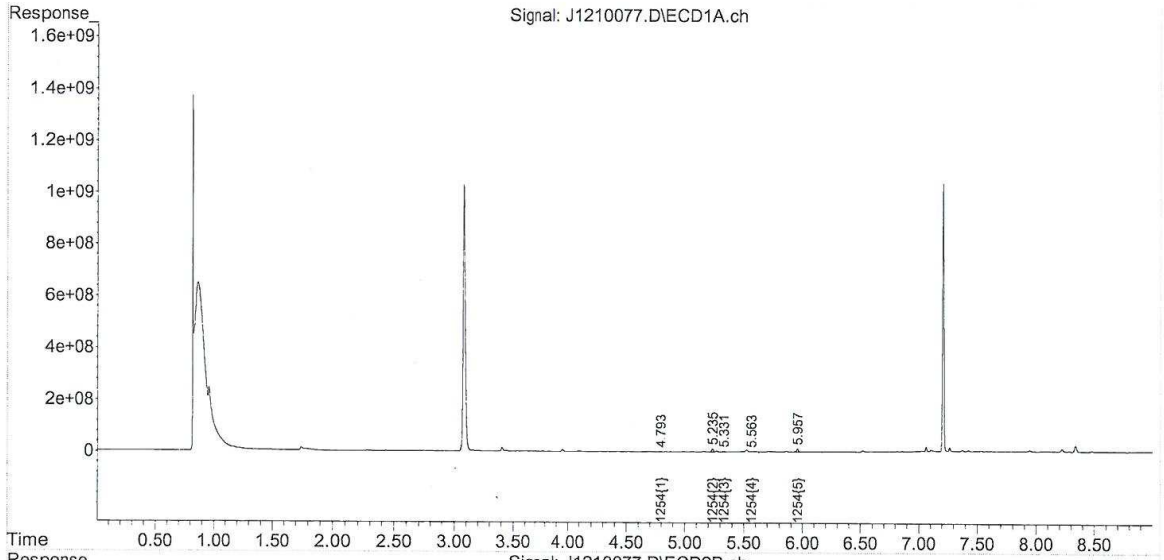


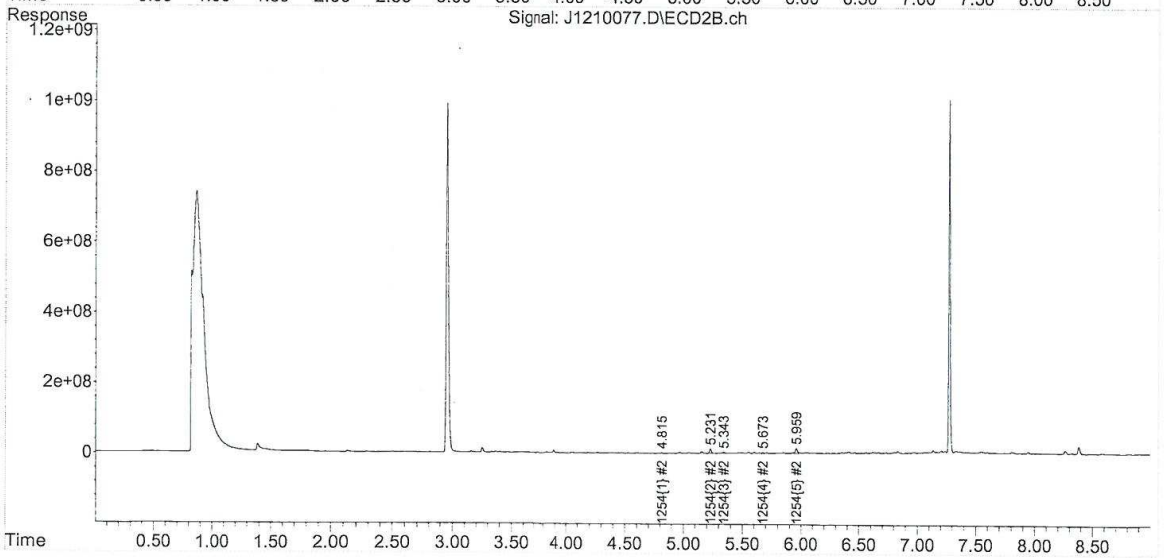
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : J1210077.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 10:19 am
Operator : JMB
Sample : 18L0278-22@TBA Inst : ECD10
Misc :
ALS Vial : 77 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Dec 11 12:50:01 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-113018.M
Quant Title : 1254 11/20/18 11/06/18 ICAL 1800371
QLast Update : Wed Nov 21 16:01:15 2018
Response via : Initial Calibration
Integrator: ChemStation

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



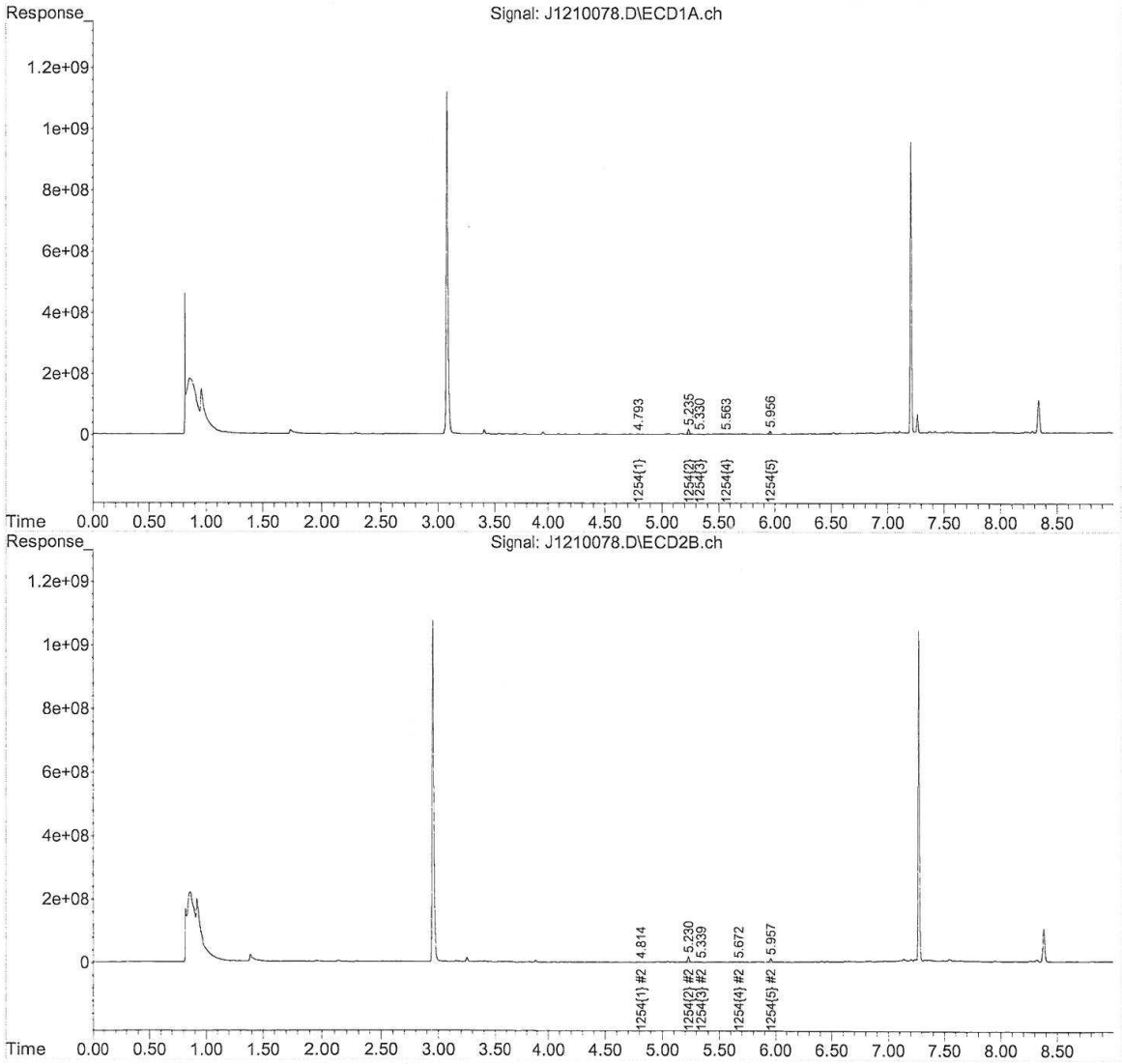


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : J1210078.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 10:32 am
Operator : JMB
Sample : 18L0278-23@TBA Inst : ECD10
Misc :
ALS Vial : 78 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Dec 11 12:50:04 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-113018.M
Quant Title : 1254 11/20/18 11/06/18 ICAL 1800371
QLast Update : Wed Nov 21 16:01:15 2018
Response via : Initial Calibration
Integrator: ChemStation

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



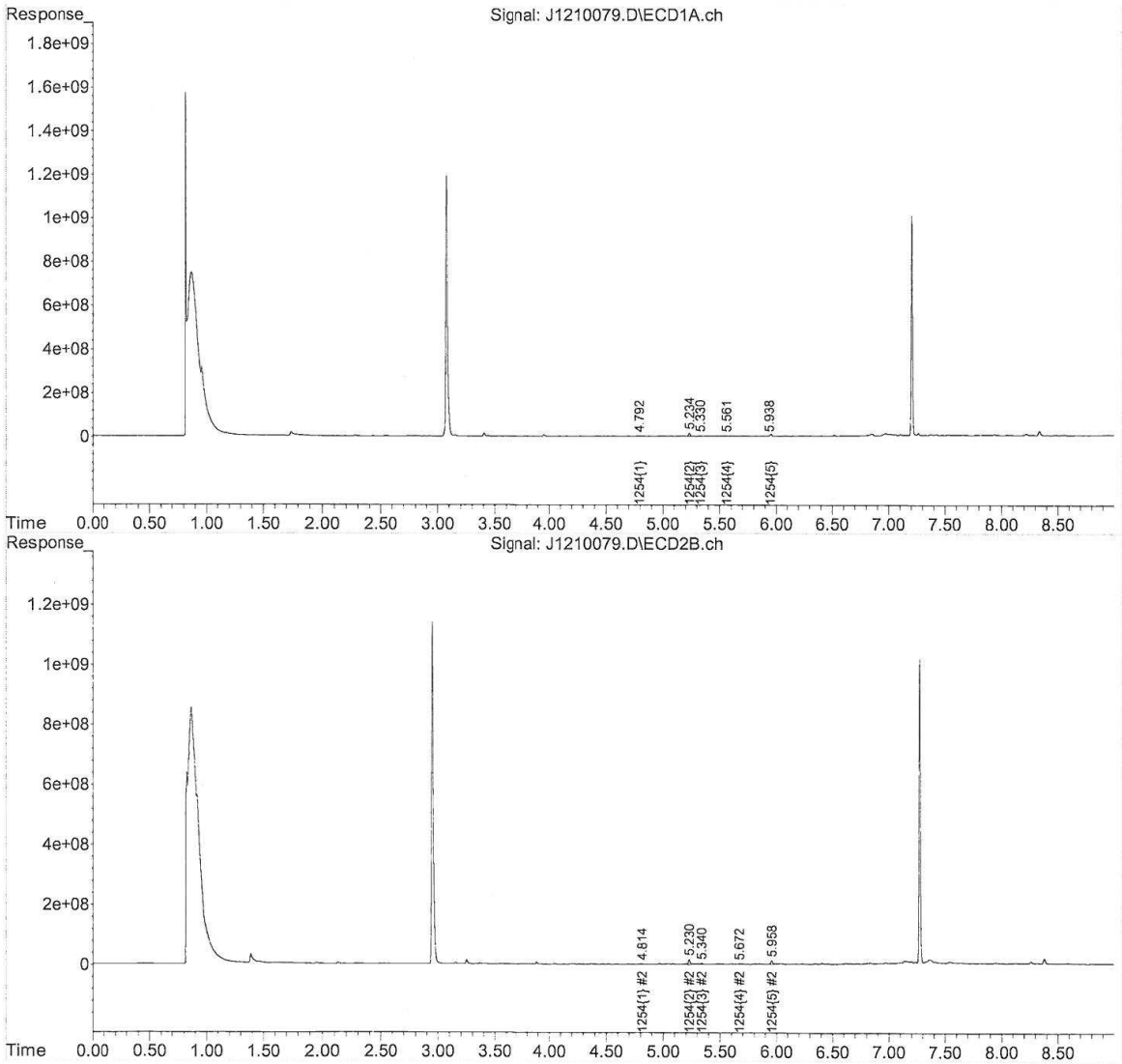
10-1254-113018.M Tue Dec 11 15:49:18 2018

Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : J1210079.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 10:44 am
Operator : JMB
Sample : 18L0278-24@TBA Inst : ECD10
Misc :
ALS Vial : 79 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Dec 11 12:50:07 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-113018.M
Quant Title : 1254 11/20/18 11/06/18 ICAL 1800371
QLast Update : Wed Nov 21 16:01:15 2018
Response via : Initial Calibration
Integrator: ChemStation

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

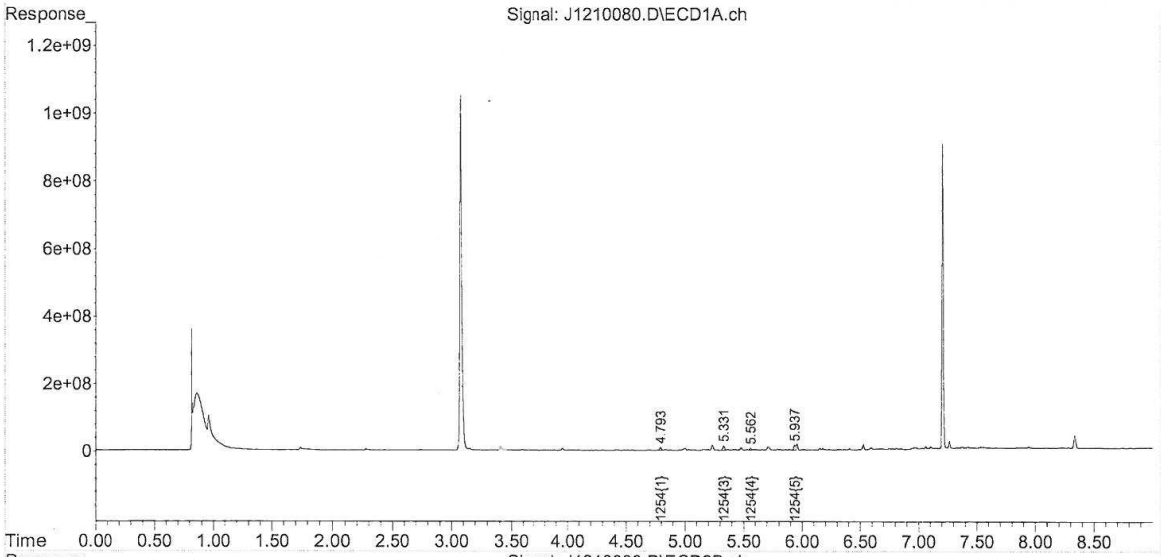


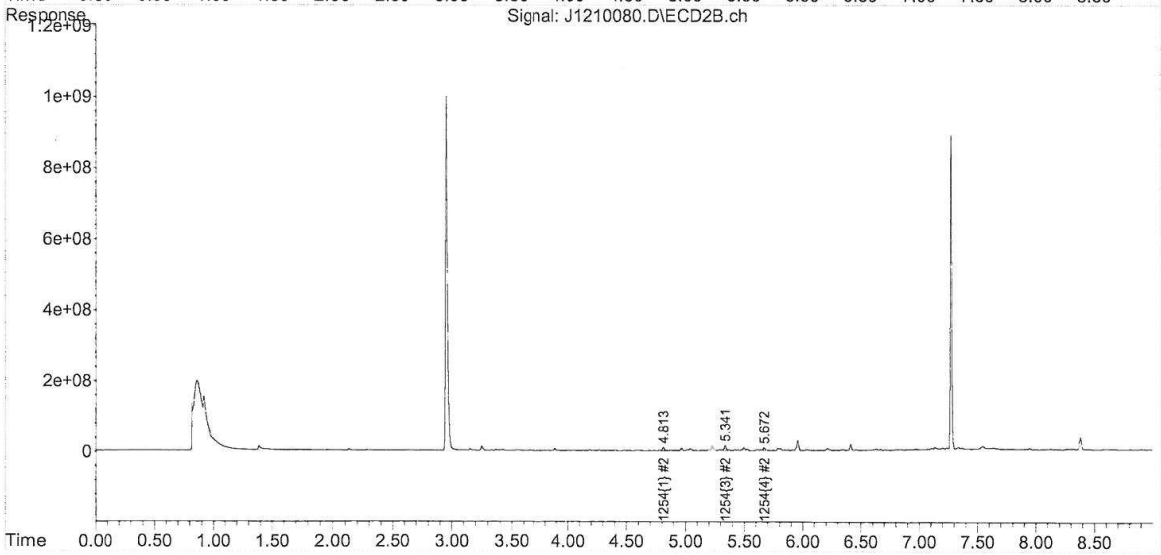
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : J1210080.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 10:56 am
Operator : JMB
Sample : 18L0278-25@TBA Inst : ECD10
Misc :
ALS Vial : 80 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Dec 11 13:06:47 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-113018.M
Quant Title : 1254 11/20/18 11/06/18 ICAL 1800371
QLast Update : Wed Nov 21 16:01:15 2018
Response via : Initial Calibration
Integrator: ChemStation

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





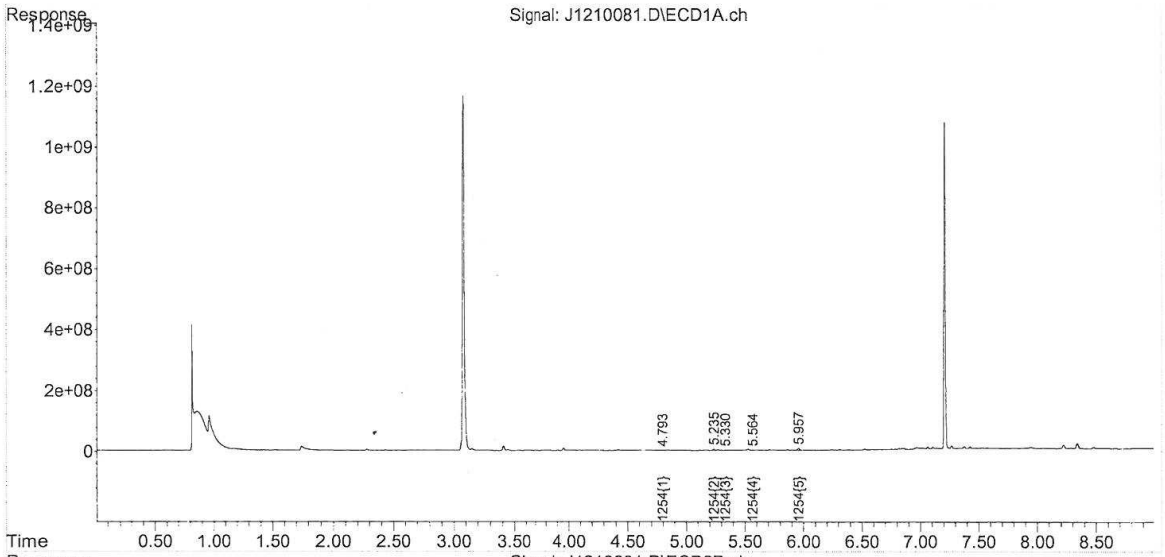
10-1254-113018.M Tue Dec 11 15:49:24 2018

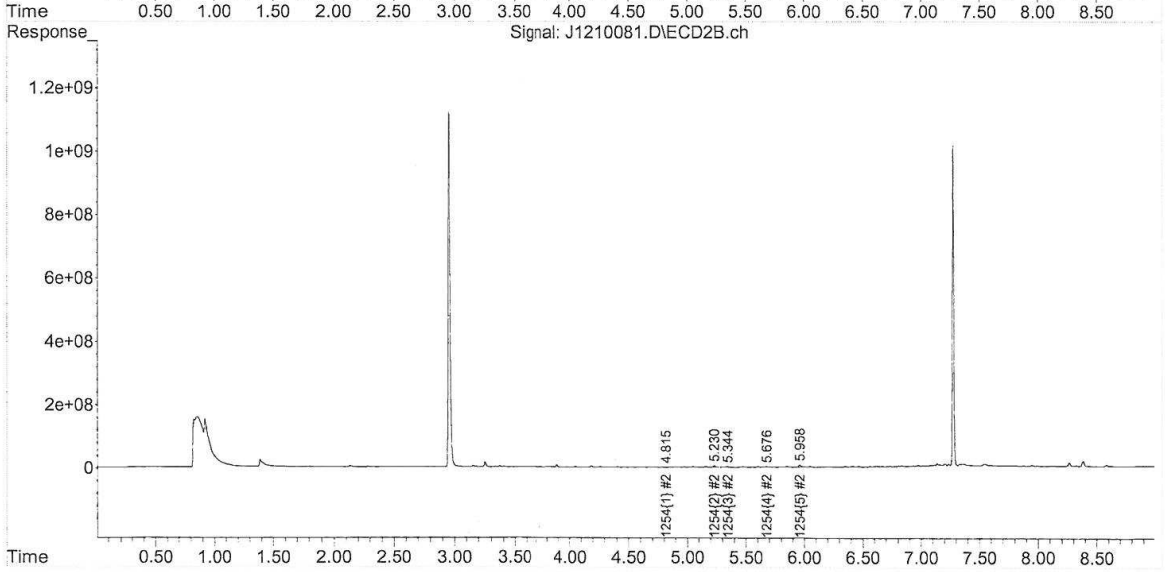
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : J1210081.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 11:08 am
Operator : JMB
Sample : 18L0278-26@TBA Inst : ECD10
Misc :
ALS Vial : 81 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Dec 11 12:50:13 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-113018.M
Quant Title : 1254 11/20/18 11/06/18 ICAL 1800371
QLast Update : Wed Nov 21 16:01:15 2018
Response via : Initial Calibration
Integrator: ChemStation

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



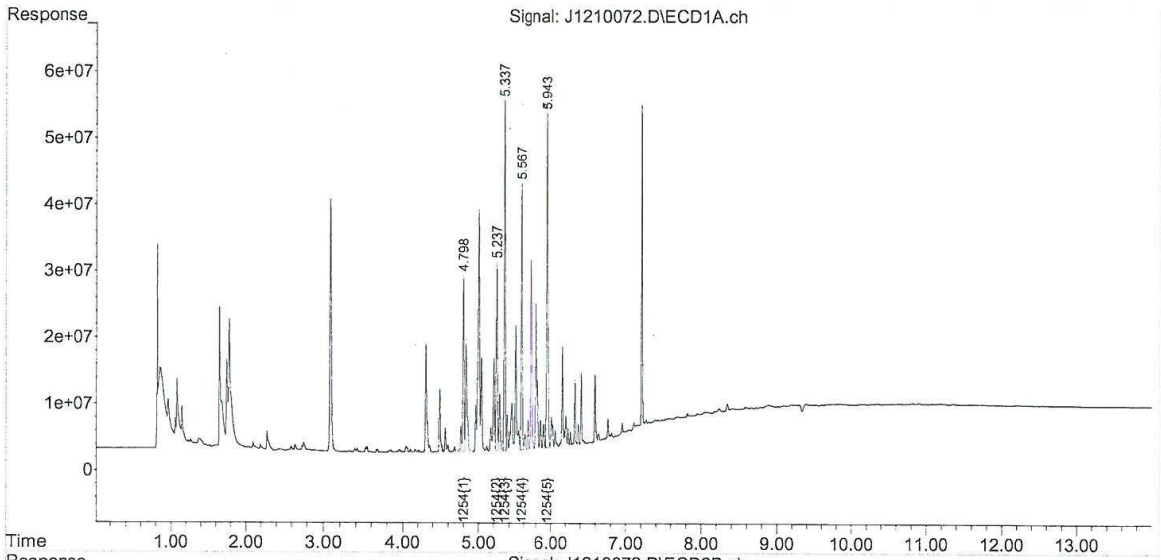


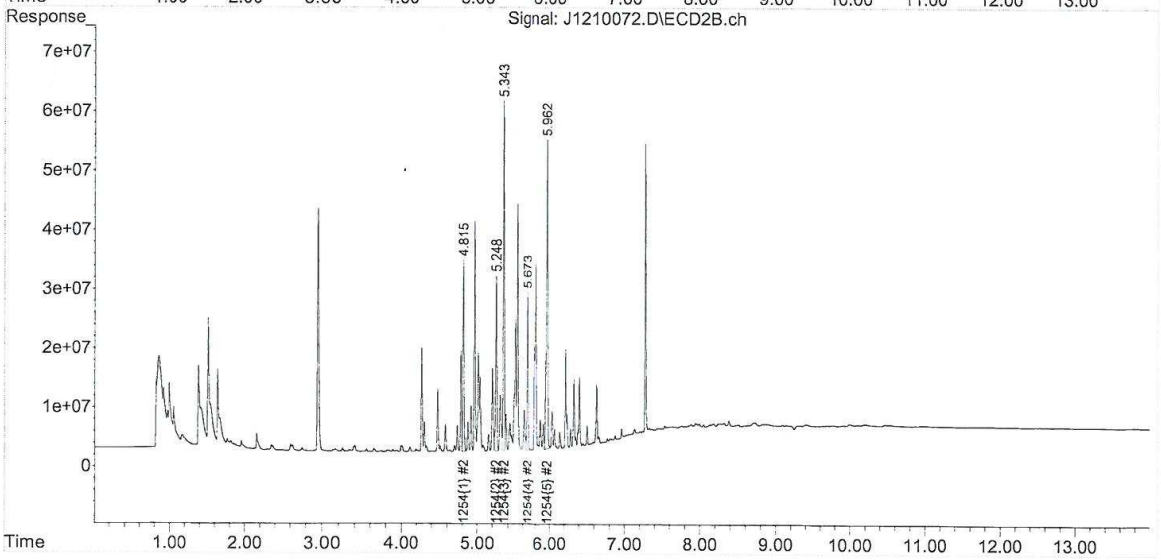
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : J1210072.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 8:58 am
Operator : JMB
Sample : 18L0278-27@20X TBA Inst : ECD10
Misc :
ALS Vial : 72 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Dec 11 12:30:42 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-113018.M
Quant Title : 1254 11/20/18 11/06/18 ICAL 1800371
QLast Update : Wed Nov 21 16:01:15 2018
Response via : Initial Calibration
Integrator: ChemStation

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



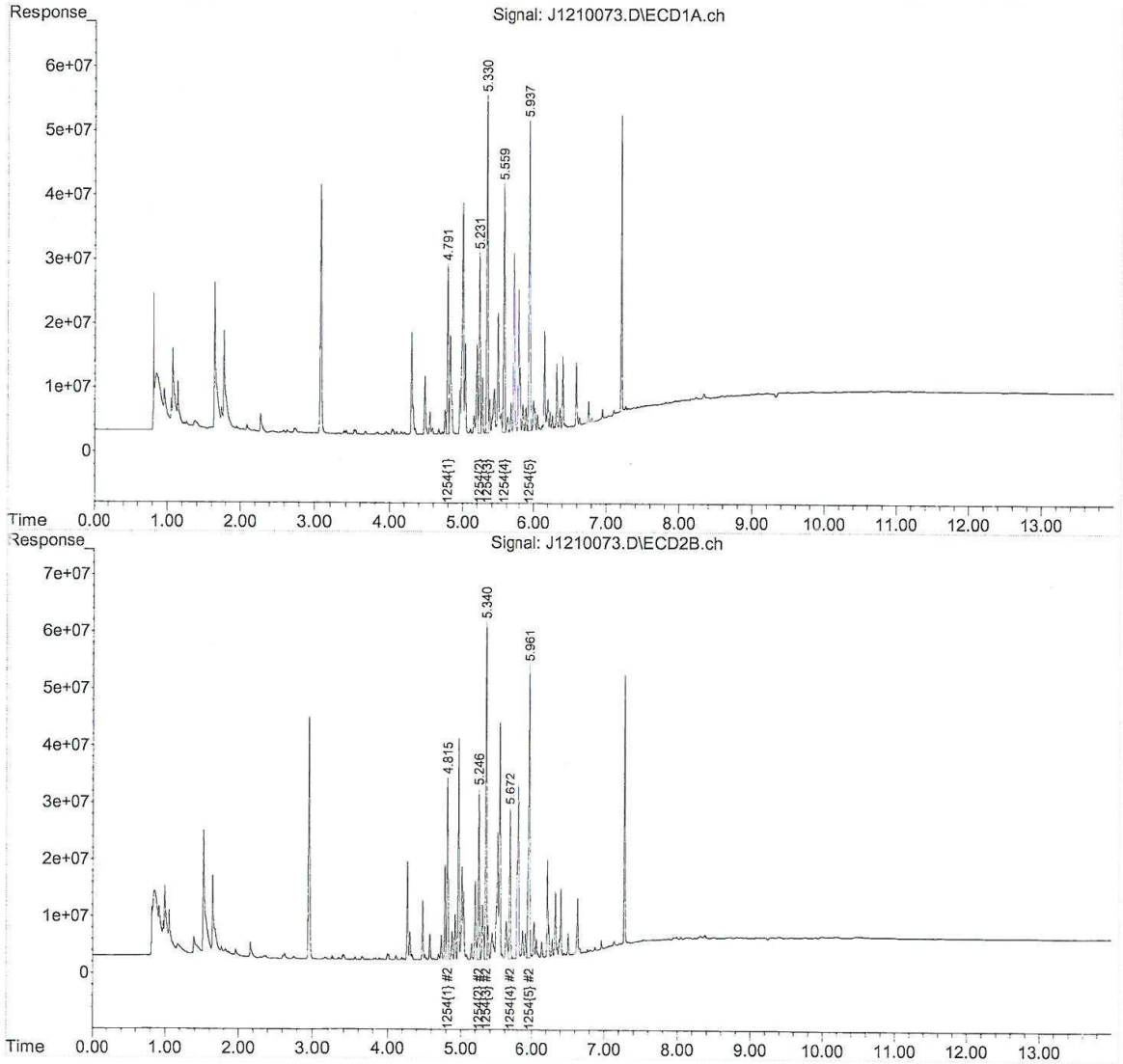


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : J1210073.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 9:15 am
Operator : JMB
Sample : 18L0278-28@20X TBA Inst : ECD10
Misc :
ALS Vial : 73 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Dec 11 12:30:45 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-113018.M
Quant Title : 1254 11/20/18 11/06/18 ICAL 1800371
QLast Update : Wed Nov 21 16:01:15 2018
Response via : Initial Calibration
Integrator: ChemStation

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



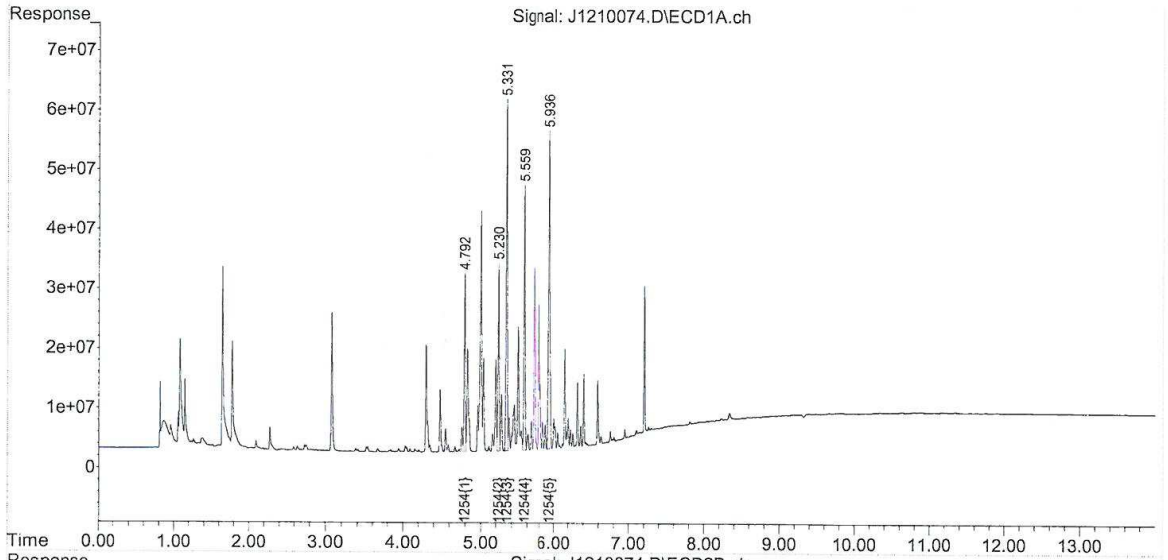
10-1254-113018.M Tue Dec 11 15:49:06 2018

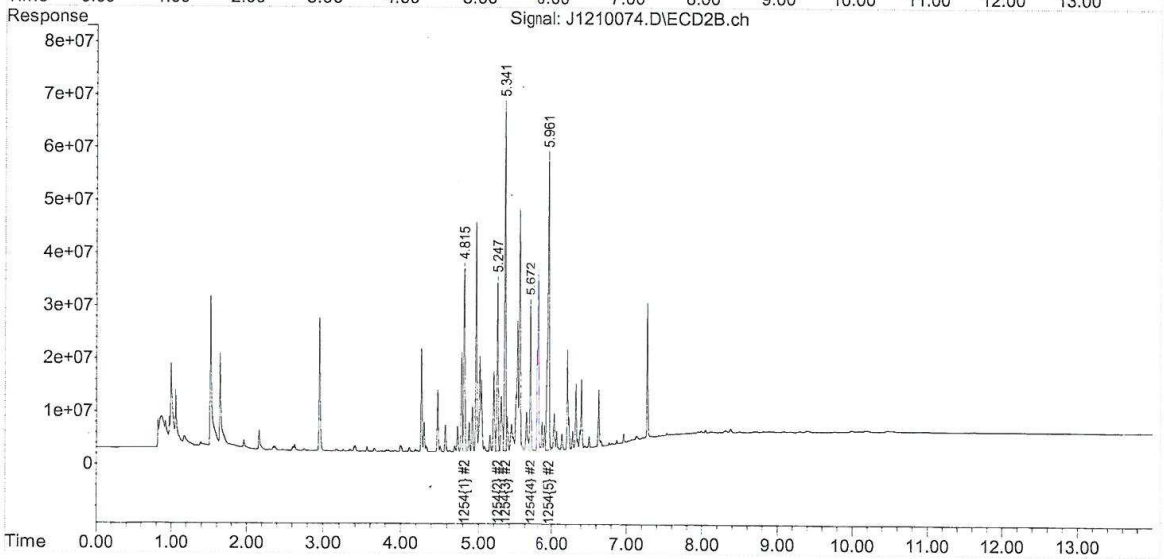
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : J1210074.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Dec 2018 9:32 am
Operator : JMB
Sample : 18L0278-29@40X TBA Inst : ECD10
Misc :
ALS Vial : 74 Sample Multiplier: 1

Integration File signal 1: F-1254.E
Integration File signal 2: B-1254.E
Quant Time: Dec 11 12:30:48 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\10-1254-113018.M
Quant Title : 1254 11/20/18 11/06/18 ICAL 1800371
QLast Update : Wed Nov 21 16:01:15 2018
Response via : Initial Calibration
Integrator: ChemStation

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





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November 27, 2018

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: Durham, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18K0970

Enclosed are results of analyses for samples received by the laboratory on November 21, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 11/27/2018

PURCHASE ORDER NUMBER: 02274021Release 8

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18K0970

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

PROJECT LOCATION: Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SW-1	18K0970-01	Water		SW-846 8082A	

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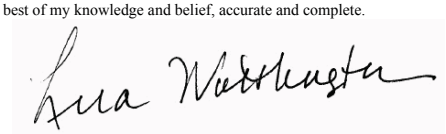
CASE NARRATIVE SUMMARY

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

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



Lisa A. Worthington
Project Manager

con-test® ANALYTICAL LABORATORY
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Project Location: Durham, CT | Sample Description: | Work Order: 18K0970

Date Received: 11/21/2018

Field Sample #: SW-1 | Sampled: 11/20/2018 09:30

Sample ID: 18K0970-01

Sample Matrix: Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [2]	ND	0.20	µg/L	1		SW-846 8082A	11/26/18	11/27/18 10:47	TG
Aroclor-1221 [2]	ND	0.20	µg/L	1		SW-846 8082A	11/26/18	11/27/18 10:47	TG
Aroclor-1232 [2]	ND	0.20	µg/L	1		SW-846 8082A	11/26/18	11/27/18 10:47	TG
Aroclor-1242 [2]	ND	0.20	µg/L	1		SW-846 8082A	11/26/18	11/27/18 10:47	TG
Aroclor-1248 [2]	ND	0.20	µg/L	1		SW-846 8082A	11/26/18	11/27/18 10:47	TG
Aroclor-1254 [2]	0.96	0.20	µg/L	1		SW-846 8082A	11/26/18	11/27/18 10:47	TG
Aroclor-1260 [2]	ND	0.20	µg/L	1		SW-846 8082A	11/26/18	11/27/18 10:47	TG
Aroclor-1262 [2]	ND	0.20	µg/L	1		SW-846 8082A	11/26/18	11/27/18 10:47	TG
Aroclor-1268 [2]	ND	0.20	µg/L	1		SW-846 8082A	11/26/18	11/27/18 10:47	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	70.6	30-150		11/27/18 10:47
Decachlorobiphenyl [2]	72.0	30-150		11/27/18 10:47
Tetrachloro-m-xylene [1]	53.2	30-150		11/27/18 10:47
Tetrachloro-m-xylene [2]	53.9	30-150		11/27/18 10:47

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18K0970-01 [SW-1]	B217818	1020	10.0	11/26/18

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B217818 - SW-846 3510C										
Blank (B217818-BLK1)				Prepared: 11/26/18 Analyzed: 11/27/18						
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	*1.65*		µg/L	2.00		82.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.56*		µg/L	2.00		78.2	30-150			
Surrogate: Tetrachloro-m-xylene	*1.60*		µg/L	2.00		80.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.51*		µg/L	2.00		75.7	30-150			
LCS (B217818-BS1)				Prepared: 11/26/18 Analyzed: 11/27/18						
Aroclor-1016	0.49	0.20	µg/L	0.500		97.5	40-140			
Aroclor-1016 [2C]	0.49	0.20	µg/L	0.500		97.5	40-140			
Aroclor-1260	0.51	0.20	µg/L	0.500		101	40-140			
Aroclor-1260 [2C]	0.51	0.20	µg/L	0.500		102	40-140			
Surrogate: Decachlorobiphenyl	*2.10*		µg/L	2.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.01*		µg/L	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*1.81*		µg/L	2.00		90.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.73*		µg/L	2.00		86.4	30-150			
LCS Dup (B217818-BSD1)				Prepared: 11/26/18 Analyzed: 11/27/18						
Aroclor-1016	0.48	0.20	µg/L	0.500		96.0	40-140	1.50	20	
Aroclor-1016 [2C]	0.48	0.20	µg/L	0.500		96.3	40-140	1.17	20	
Aroclor-1260	0.49	0.20	µg/L	0.500		98.7	40-140	2.36	20	
Aroclor-1260 [2C]	0.52	0.20	µg/L	0.500		103	40-140	1.25	20	
Surrogate: Decachlorobiphenyl	*1.20*		µg/L	2.00		59.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.17*		µg/L	2.00		58.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.76*		µg/L	2.00		87.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.66*		µg/L	2.00		83.1	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

SW-1

Lab Sample ID: 18K0970-01 Date(s) Analyzed: 11/27/2018 11/27/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1254	1	0.000	0.000	0.000	0.85	
	2	0.000	0.000	0.000	0.96	12.2

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B217818-BS1 Date(s) Analyzed: 11/27/2018 11/27/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.49	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.51	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B217818-BSD1 Date(s) Analyzed: 11/27/2018 11/27/2018

Instrument ID (1): ECD10 Instrument ID (2): ECD10

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.48	
	2	0.000	0.000	0.000	0.48	0.0
Aroclor-1260	1	0.000	0.000	0.000	0.49	
	2	0.000	0.000	0.000	0.52	5.9

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2018
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

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18K0970

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

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

MEK

Company Name:	Weston & Sampson
Address:	273 Dividend Rd Rocky Hill
Phone:	1 800 SAMPSON
Project Name:	Pearson Ln
Project Location:	Durham CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Quote Name/Number:	
Invoice Recipient:	Jeff Willson
Sampled By:	AJB

Requested Turnaround Time
7-Day ☐ 10-Day ☐
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☑
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

ANALYSIS REQUESTED

PCBs

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	1	AT	A	# of Containers
01	SW-1	11/20	930		X	W	U	X			

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
○ Field Filtered
○ Lab to Filter

Orthophosphate Samples
○ Field Filtered
○ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments: email to willsonj@wseinc.com
barsetta@wseinc.com
3 Day TAT - Eversource Prices

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature)	11/21/18
Received by: (signature)	11/21/18 815
Relinquished by: (signature)	11/21/18 450
Received by: (signature) 3.7°C	11/21/18 1650
Relinquished by: (signature)	
Received by: (signature)	

Detection Limit Requirements
MA
CT RCP Reporting Limits
DEC / GB PMC
Other:

Special Requirements
☐ MA MCP Required
MCP Certification Form Required
☒ CT RCP Required
RCP Certification Form Required
☐ MA State DW Required
PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP, LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston & Sampson

Received By DLF Date 11/21/18 Time 1650

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 2 Actual Temp - 3.7 C
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? T Who was notified? Brie
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	2	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: Durham, CT

Project Number: 18K0970

Laboratory Sample ID(s):

18K0970-01

Sample Date(s):

11/20/2018

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.

Lisa A. Worthington

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: Lisa Worthington **Position:** **Project Manager**

Printed Name: **Lisa A. Worthington** **Date:** **11/27/18**

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

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

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December 10, 2018

Jeff Willson
Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067

Project Location: 27 Parsons Ln., Durham, CT
Client Job Number:
Project Number: [none]
Laboratory Work Order Number: 18L0279

Enclosed are results of analyses for samples received by the laboratory on December 6, 2018. If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Meghan E. Kelley
Project Manager

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Weston & Sampson
273 Dividend Road
Rocky Hill, CT 06067
ATTN: Jeff Willson

REPORT DATE: 12/10/2018

PURCHASE ORDER NUMBER:

PROJECT NUMBER: [none]

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 18L0279

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

PROJECT LOCATION: 27 Parsons Ln., Durham, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
T1-SW	18L0279-01	Water		SW-846 8082A	
T2-SW	18L0279-02	Water		SW-846 8082A	
T3-SW	18L0279-03	Water		SW-846 8082A	
T4-SW	18L0279-04	Water		SW-846 8082A	
T5-SW	18L0279-05	Water		SW-846 8082A	
T6-SW	18L0279-06	Water		SW-846 8082A	
T7-SW	18L0279-07	Water		SW-846 8082A	
T8-SW	18L0279-08	Water		SW-846 8082A	
DUP-SW	18L0279-09	Water		SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

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



Tod E. Kopyscinski
Laboratory Director

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Project Location: 27 Parsons Ln., Durham, CT Sample Description: Work Order: 18L0279

Date Received: 12/6/2018

Field Sample #: T1-SW Sampled: 12/5/2018 09:20

Sample ID: 18L0279-01

Sample Matrix: 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	12/8/18	12/10/18 10:24	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:24	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:24	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:24	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:24	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:24	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:24	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:24	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:24	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		12/10/18 10:24
Decachlorobiphenyl [2]	99.4	30-150		12/10/18 10:24
Tetrachloro-m-xylene [1]	88.8	30-150		12/10/18 10:24
Tetrachloro-m-xylene [2]	91.4	30-150		12/10/18 10:24

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0279

Date Received: 12/6/2018

Field Sample #: T2-SW | Sampled: 12/5/2018 09:25

Sample ID: 18L0279-02

Sample Matrix: 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	12/8/18	12/10/18 10:36	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:36	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:36	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:36	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:36	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:36	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:36	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:36	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:36	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		12/10/18 10:36
Decachlorobiphenyl [2]	97.8	30-150		12/10/18 10:36
Tetrachloro-m-xylene [1]	88.6	30-150		12/10/18 10:36
Tetrachloro-m-xylene [2]	91.0	30-150		12/10/18 10:36

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0279

Date Received: 12/6/2018

Field Sample #: T3-SW | Sampled: 12/5/2018 09:30

Sample ID: 18L0279-03

Sample Matrix: 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	12/8/18	12/10/18 10:49	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:49	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:49	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:49	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:49	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:49	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:49	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:49	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 10:49	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	108	30-150		12/10/18 10:49
Decachlorobiphenyl [2]	97.0	30-150		12/10/18 10:49
Tetrachloro-m-xylene [1]	88.1	30-150		12/10/18 10:49
Tetrachloro-m-xylene [2]	89.7	30-150		12/10/18 10:49

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0279

Date Received: 12/6/2018

Field Sample #: T4-SW | Sampled: 12/5/2018 09:35

Sample ID: 18L0279-04

Sample Matrix: 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	12/8/18	12/10/18 11:01	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:01	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:01	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:01	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:01	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:01	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:01	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:01	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:01	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	96.5	30-150		12/10/18 11:01
Decachlorobiphenyl [2]	87.1	30-150		12/10/18 11:01
Tetrachloro-m-xylene [1]	81.6	30-150		12/10/18 11:01
Tetrachloro-m-xylene [2]	83.8	30-150		12/10/18 11:01

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0279

Date Received: 12/6/2018

Field Sample #: T5-SW | Sampled: 12/5/2018 11:20

Sample ID: 18L0279-05

Sample Matrix: 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	12/8/18	12/10/18 11:14	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:14	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:14	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:14	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:14	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:14	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:14	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:14	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:14	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	107	30-150		12/10/18 11:14
Decachlorobiphenyl [2]	96.8	30-150		12/10/18 11:14
Tetrachloro-m-xylene [1]	85.6	30-150		12/10/18 11:14
Tetrachloro-m-xylene [2]	87.6	30-150		12/10/18 11:14

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0279

Date Received: 12/6/2018

Field Sample #: T6-SW | Sampled: 12/5/2018 11:00

Sample ID: 18L0279-06

Sample Matrix: 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	12/8/18	12/10/18 11:26	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:26	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:26	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:26	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:26	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:26	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:26	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:26	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:26	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	106	30-150		12/10/18 11:26
Decachlorobiphenyl [2]	96.3	30-150		12/10/18 11:26
Tetrachloro-m-xylene [1]	88.2	30-150		12/10/18 11:26
Tetrachloro-m-xylene [2]	90.8	30-150		12/10/18 11:26

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0279

Date Received: 12/6/2018

Field Sample #: T7-SW | Sampled: 12/5/2018 11:40

Sample ID: 18L0279-07

Sample Matrix: 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	12/8/18	12/10/18 11:39	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:39	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:39	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:39	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:39	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:39	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:39	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:39	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:39	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	110	30-150		12/10/18 11:39
Decachlorobiphenyl [2]	99.0	30-150		12/10/18 11:39
Tetrachloro-m-xylene [1]	90.4	30-150		12/10/18 11:39
Tetrachloro-m-xylene [2]	92.4	30-150		12/10/18 11:39

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0279

Date Received: 12/6/2018

Field Sample #: T8-SW | Sampled: 12/5/2018 12:00

Sample ID: 18L0279-08

Sample Matrix: 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	12/8/18	12/10/18 11:51	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:51	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:51	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:51	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:51	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:51	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:51	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:51	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 11:51	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual		
Decachlorobiphenyl [1]	108	30-150		12/10/18	11:51
Decachlorobiphenyl [2]	97.9	30-150		12/10/18	11:51
Tetrachloro-m-xylene [1]	88.4	30-150		12/10/18	11:51
Tetrachloro-m-xylene [2]	90.6	30-150		12/10/18	11:51

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Project Location: 27 Parsons Ln., Durham, CT | Sample Description: | Work Order: 18L0279

Date Received: 12/6/2018

Field Sample #: DUP-SW | Sampled: 12/5/2018 00:00

Sample ID: 18L0279-09

Sample Matrix: 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	12/8/18	12/10/18 12:04	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 12:04	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 12:04	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 12:04	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 12:04	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 12:04	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 12:04	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 12:04	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	12/8/18	12/10/18 12:04	TG

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
Decachlorobiphenyl [1]	109	30-150		12/10/18 12:04
Decachlorobiphenyl [2]	97.8	30-150		12/10/18 12:04
Tetrachloro-m-xylene [1]	89.9	30-150		12/10/18 12:04
Tetrachloro-m-xylene [2]	92.5	30-150		12/10/18 12:04

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Sample Extraction Data

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
18L0279-01 [T1-SW]	B218785	1000	10.0	12/08/18
18L0279-02 [T2-SW]	B218785	1000	10.0	12/08/18
18L0279-03 [T3-SW]	B218785	1000	10.0	12/08/18
18L0279-04 [T4-SW]	B218785	1000	10.0	12/08/18
18L0279-05 [T5-SW]	B218785	1000	10.0	12/08/18
18L0279-06 [T6-SW]	B218785	1000	10.0	12/08/18
18L0279-07 [T7-SW]	B218785	1000	10.0	12/08/18
18L0279-08 [T8-SW]	B218785	1000	10.0	12/08/18
18L0279-09 [DUP-SW]	B218785	980	10.0	12/08/18

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QUALITY CONTROL

Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B218785 - SW-846 3510C										
Blank (B218785-BLK1)				Prepared: 12/08/18 Analyzed: 12/10/18						
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	*2.31*		µg/L	2.00		115	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.10*		µg/L	2.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	*1.84*		µg/L	2.00		92.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.86*		µg/L	2.00		93.0	30-150			
LCS (B218785-BS1)				Prepared: 12/08/18 Analyzed: 12/10/18						
Aroclor-1016	0.51	0.20	µg/L	0.500		103	40-140			
Aroclor-1016 [2C]	0.49	0.20	µg/L	0.500		98.3	40-140			
Aroclor-1260	0.50	0.20	µg/L	0.500		100	40-140			
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		99.6	40-140			
Surrogate: Decachlorobiphenyl	*2.24*		µg/L	2.00		112	30-150			
Surrogate: Decachlorobiphenyl [2C]	*2.03*		µg/L	2.00		101	30-150			
Surrogate: Tetrachloro-m-xylene	*1.87*		µg/L	2.00		93.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.91*		µg/L	2.00		95.5	30-150			
LCS Dup (B218785-BSD1)				Prepared: 12/08/18 Analyzed: 12/10/18						
Aroclor-1016	0.51	0.20	µg/L	0.500		102	40-140	0.962	20	
Aroclor-1016 [2C]	0.49	0.20	µg/L	0.500		97.3	40-140	1.00	20	
Aroclor-1260	0.51	0.20	µg/L	0.500		102	40-140	1.34	20	
Aroclor-1260 [2C]	0.50	0.20	µg/L	0.500		101	40-140	1.11	20	
Surrogate: Decachlorobiphenyl	*2.04*		µg/L	2.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	*1.85*		µg/L	2.00		92.4	30-150			
Surrogate: Tetrachloro-m-xylene	*1.85*		µg/L	2.00		92.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	*1.89*		µg/L	2.00		94.4	30-150			

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B218785-BS1 Date(s) Analyzed: 12/10/2018 12/10/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.49	4.0
Aroclor-1260	1	0.000	0.000	0.000	0.50	
	2	0.000	0.000	0.000	0.50	0.0

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B218785-BSD1 Date(s) Analyzed: 12/10/2018 12/10/2018

Instrument ID (1): ECD 9 Instrument ID (2): ECD 9

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1016	1	0.000	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.49	4.0
Aroclor-1260	1	0.000	0.000	0.000	0.51	
	2	0.000	0.000	0.000	0.50	2.0

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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
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant 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
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1221	CT,NH,NY,NC,ME,VA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1232	CT,NH,NY,NC,ME,VA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1242	CT,NH,NY,NC,ME,VA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1248	CT,NH,NY,NC,ME,VA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1254	CT,NH,NY,NC,ME,VA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1260	CT,NH,NY,NC,ME,VA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA
Aroclor-1262	NH,NY,NC,ME,VA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA
Aroclor-1268	NH,NY,NC,ME,VA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2005	100033	03/1/2020
MA	Massachusetts DEP	M-MA100	06/30/2019
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2019
NY	New York State Department of Health	10899 NELAP	04/1/2019
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2019
RI	Rhode Island Department of Health	LAO00112	12/30/2018
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2019
FL	Florida Department of Health	E871027 NELAP	06/30/2019
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2019
ME	State of Maine	2011028	06/9/2019
VA	Commonwealth of Virginia	460217	12/14/2018
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2019
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2019
NC-DW	North Carolina Department of Health	25703	07/31/2019

con-test® ANALYTICAL LABORATORY

MEK

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

1860279

http://www.contestlabs.com

Doc # 381 Rev 1_03242017

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1

Company:	Weston & Sampson
Address:	273 Dividend Rd
Phone:	800-SAMPSON
Project Name:	27 Parsons Ln
Project Location:	Durham, CT
Project Number:	
Project Manager:	Jeff Willson
Con-Test Quote Name/Number:	
Invoice Recipient:	
Sampled By:	AB/WS/GP

Turnaround Time (Business Days)
7-Day ☐ 10-Day ☐
Due Date:

Rush (Surcharge Applies)
1-Day ☐ 3-Day ☑
2-Day ☐ 4-Day ☐

Report Format
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: willsonj@wseinc.com
Fax To #:

ANALYSIS REQUESTED

Con-Test Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	PBCs	1	I	A	# of Containers
1	T1-SW	12/5/2018	920		X	W	U	X				
2	T2-SW	12/5/2018	925		X			X				
3	T3-SW	12/5/2018	930		X			X				
4	T4-SW	12/5/2018	935		X			X				
5	T5-SW	12/5/2018	1120		X			X				
6	T6-SW	12/5/2018	1100		X			X				
7	T7-SW	12/5/2018	1140		X			X				
8	T8-SW	12/5/2018	1200		X			X				
9	DUP-SW	12/5/2018			X	↓	↓	X				
		12/5/2018			X							

[2] Preservation Code
[3] Container Code

Filtered
- ○ Field Filtered
- ○ Lab to Filter

Filtered
- ○ Field Filtered
- ○ Lab to Filter

Comments: Eversource Pricing

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

	Date/Time:
Relinquished by: (signature)	12/6 900
Received by: (signature)	12-6-18 10:20
Relinquished by: (signature)	12-6-18 15:3
Received by: (signature) 2.8 5.5	12-6-18 1825
Relinquished by: (signature)	
Received by: (signature)	

Project Information
PO #:
Quote #:
Project #:

Regulatory Requirements
- ☐ MA MCP Required
- ☐ RCP Certification Form Required
- ☑ CT RCP Required
- ☐ RCP Certification Form Required
- ☐ MA State DW Required

PWSID #

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Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

I Have Not Confirmed Sample Container Numbers With Lab Staff Before Relinquishing Over Samples_____

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Doc# 277 Rev 5 2017

Login Sample Receipt Checklist - (Rejection Criteria Listing - Using Acceptance Policy) Any False Statement will be brought to the attention of the Client - State True or False

Client Weston + Sampson

Received By LR Date 12-6-18 Time 1825

How were the samples received? In Cooler T No Cooler _____ On Ice T No Ice _____
Direct from Sampling _____ Ambient _____ Melted Ice _____

Were samples within Temperature? 2-6°C T By Gun # 1 Actual Temp - 2.8, 5.5
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tampered with? NA
Was COC Relinquished ? T Does Chain Agree With Samples? T
Are there broken/leaking/loose caps on any samples? F
Is COC in ink/ Legible? T Were samples received within holding time? T
Did COC include all pertinent Information? Client T Analysis T Sampler Name T
Project T ID's T Collection Dates/Times T
Are Sample labels filled out and legible? T
Are there Lab to Filters? F Who was notified? _____
Are there Rushes? T Who was notified? Kayla
Are there Short Holds? F Who was notified? _____
Is there enough Volume? T
Is there Headspace where applicable? NA MS/MSD? F
Proper Media/Containers Used? T Is splitting samples required? F
Were trip blanks received? F On COC? F
Do all samples have the proper pH? NA Acid _____ Base _____

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	10	1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Flashpoint		Col./Bacteria		2oz Amb/Clear	
DI-		Other Glass		Other Plastic		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments:

REASONABLE CONFIDENCE PROTOCOL
LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: Weston & Sampson

Project Location: 27 Parsons Ln., Durham, CT

Project Number: 18L0279

Laboratory Sample ID(s):

18L0279-01 thru 18L0279-09

Sample Date(s):

12/05/2018

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.

Tod E. Kopyscinski

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:** 12/10/18

Name of Laboratory: Con-Test Analytical Laboratory

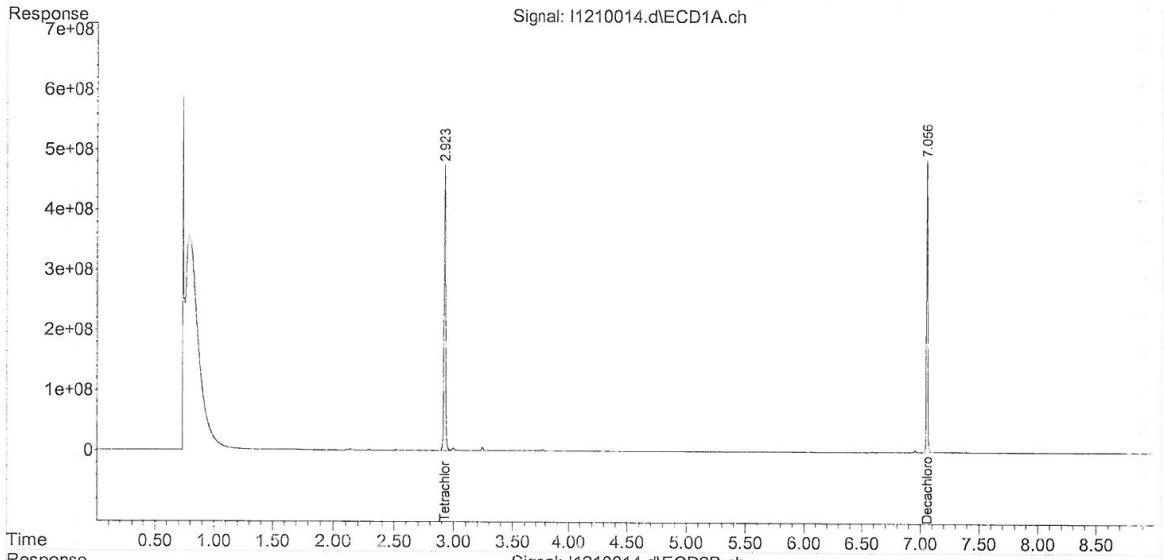
This certification form is to be used for RCP methods only.

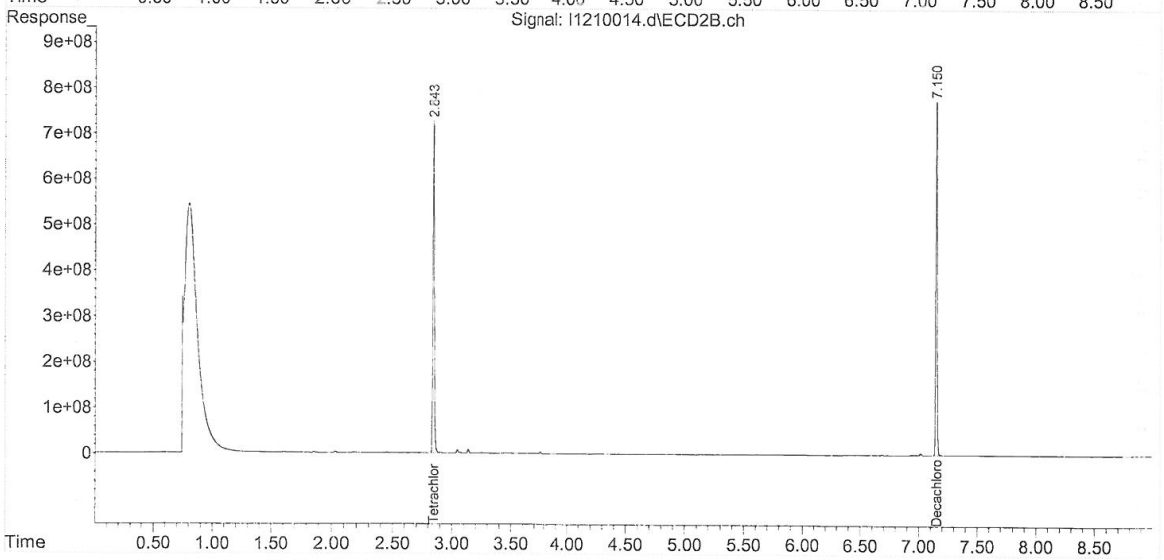
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : I1210014.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2018 10:24 am
Operator : JMB
Sample : 18L0279-01 Inst : ECD 9
Misc :
ALS Vial : 14 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 10 11:43:57 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-120318.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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



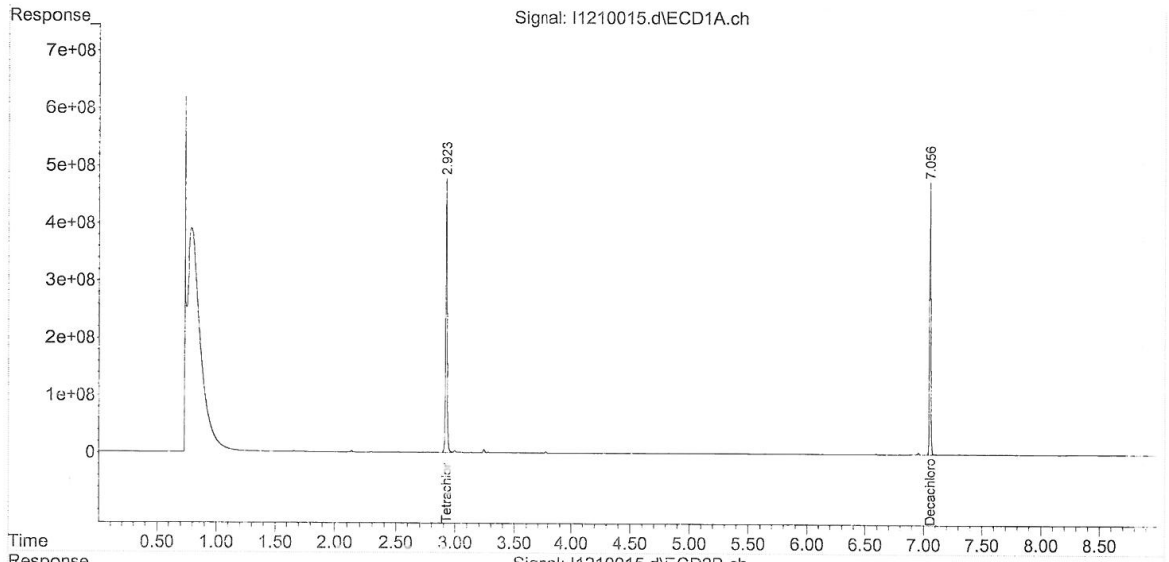


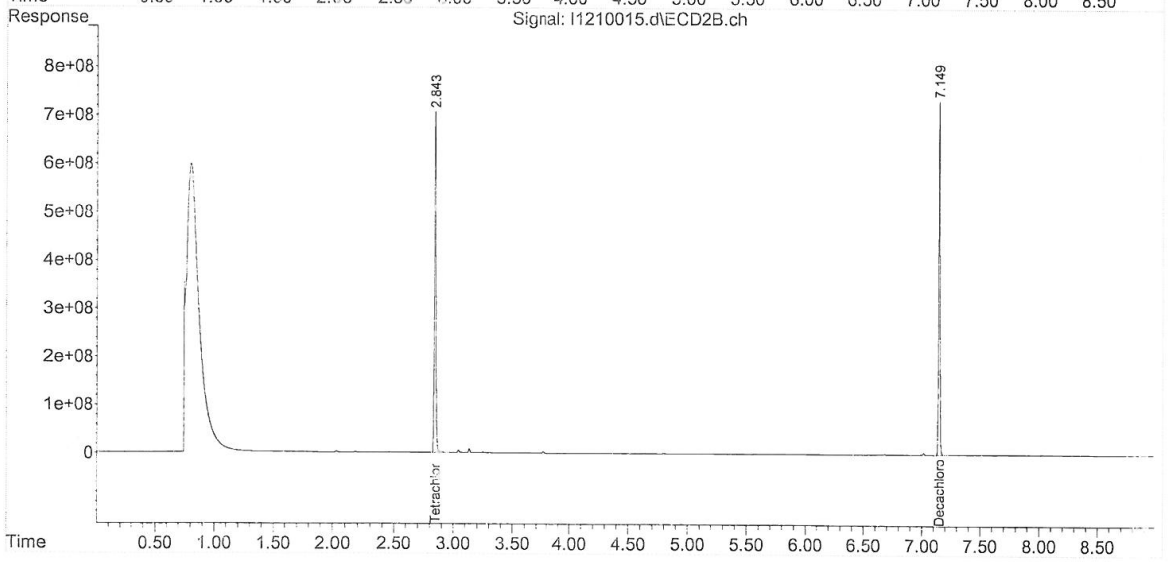
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : I1210015.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2018 10:36 am
Operator : JMB
Sample : 18L0279-02 Inst : ECD 9
Misc :
ALS Vial : 15 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 10 11:44:00 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-120318.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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



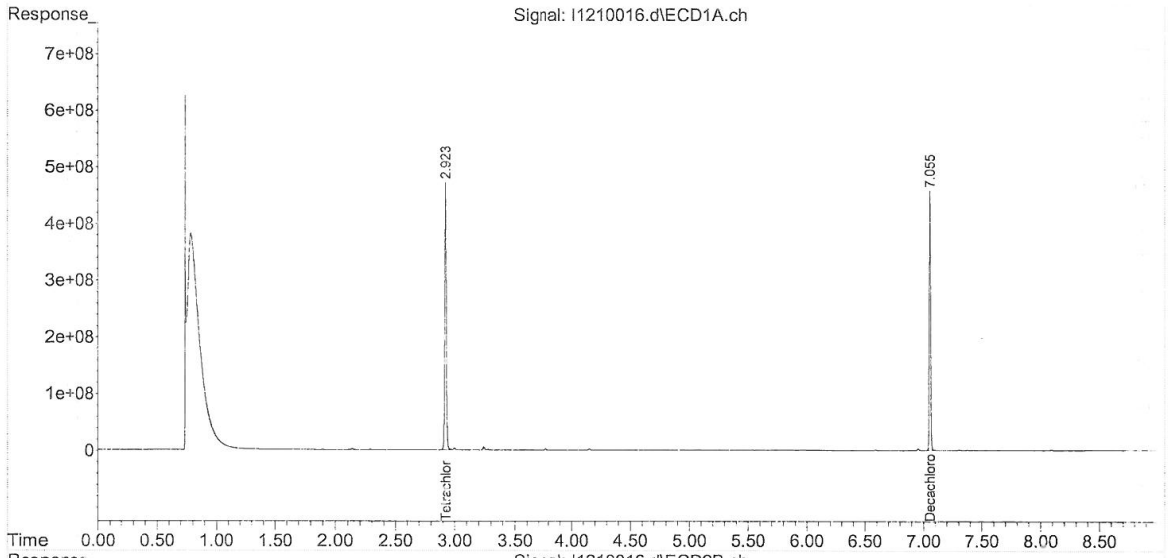


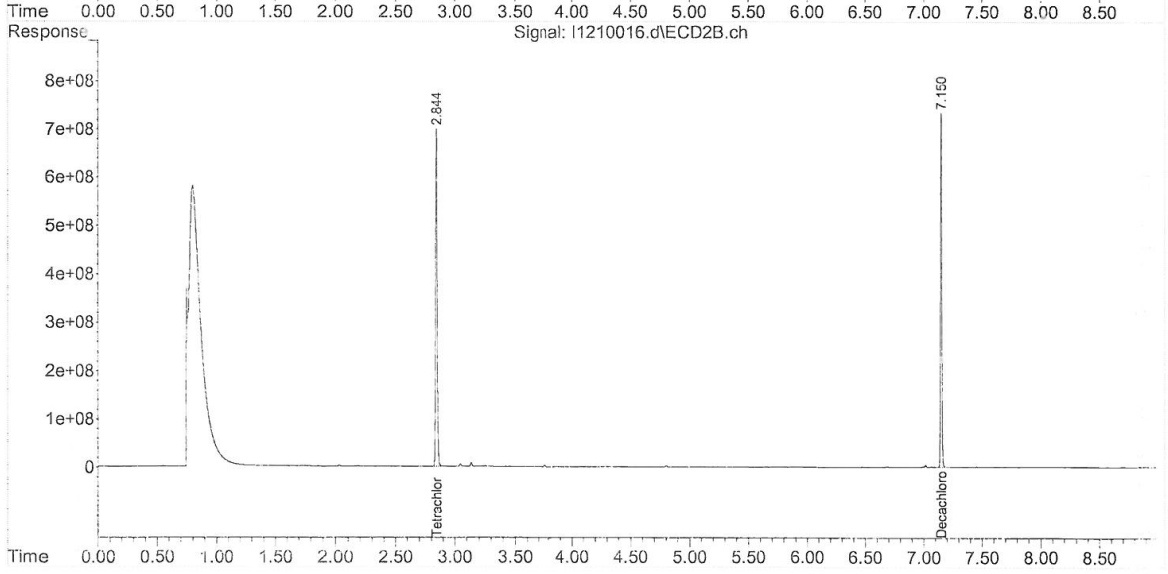
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : I1210016.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2018 10:49 am
Operator : JMB
Sample : 18L0279-03 Inst : ECD 9
Misc :
ALS Vial : 16 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 10 11:44:03 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-120318.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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



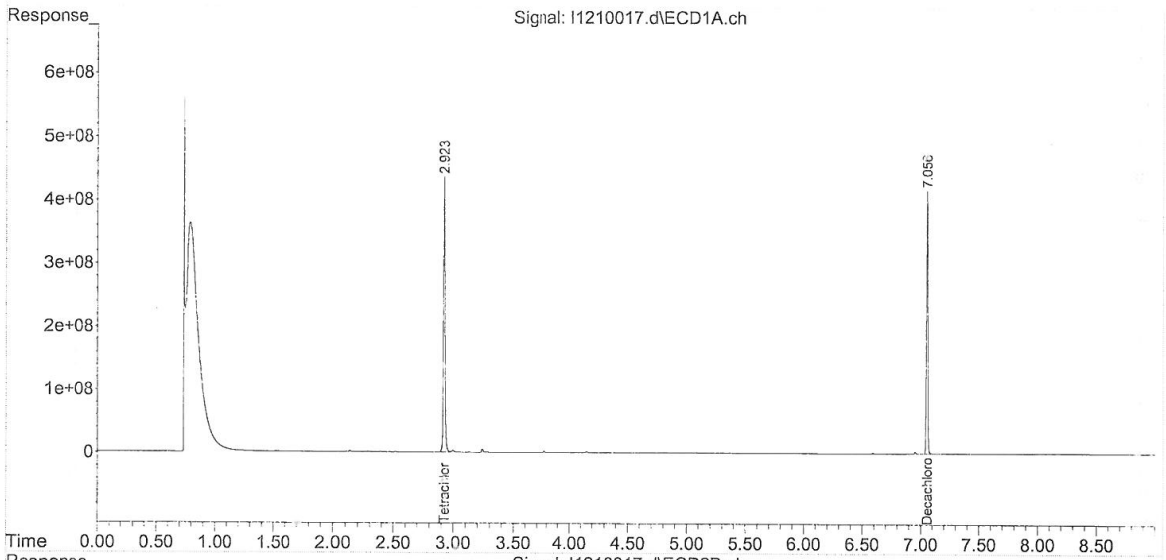


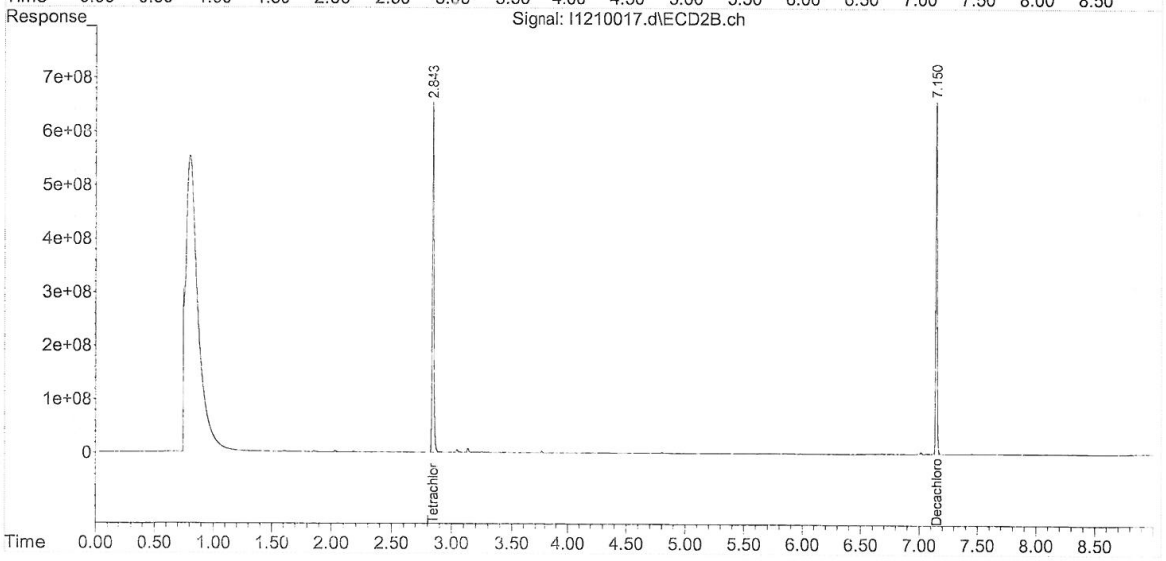
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : I1210017.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2018 11:01 am
Operator : JMB
Sample : 18L0279-04 Inst : ECD 9
Misc :
ALS Vial : 17 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 10 11:44:06 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-120318.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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



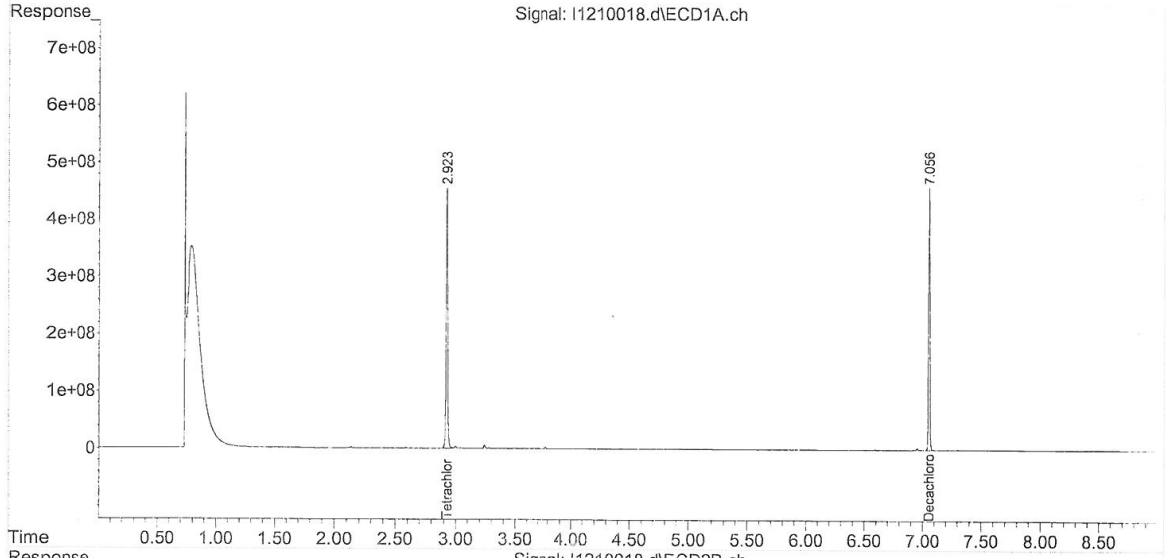


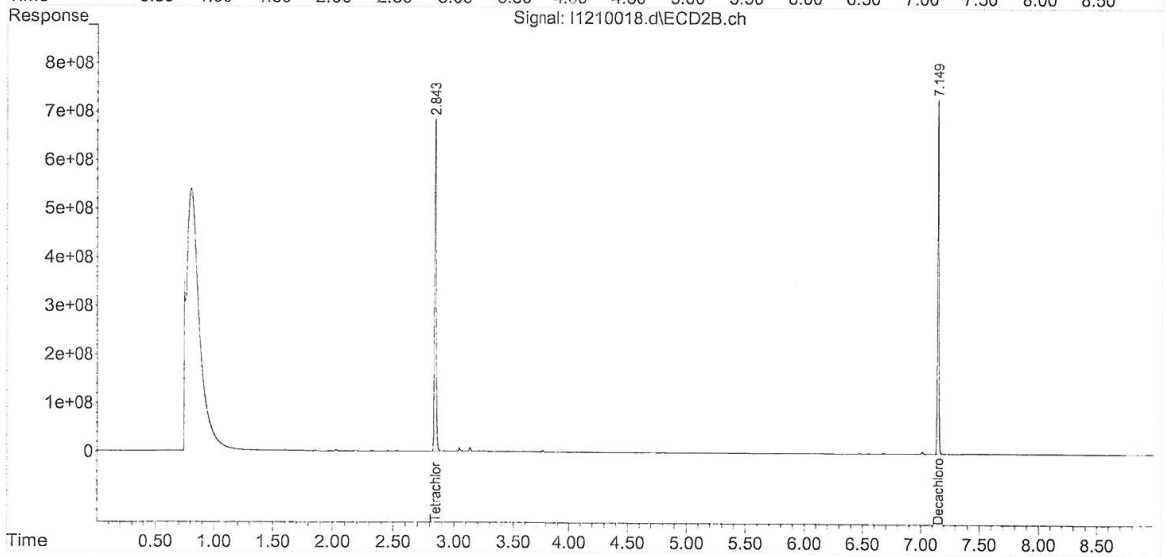
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : I1210018.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2018 11:14 am
Operator : JMB
Sample : 18L0279-05 Inst : ECD 9
Misc :
ALS Vial : 18 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 10 11:44:09 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-120318.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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



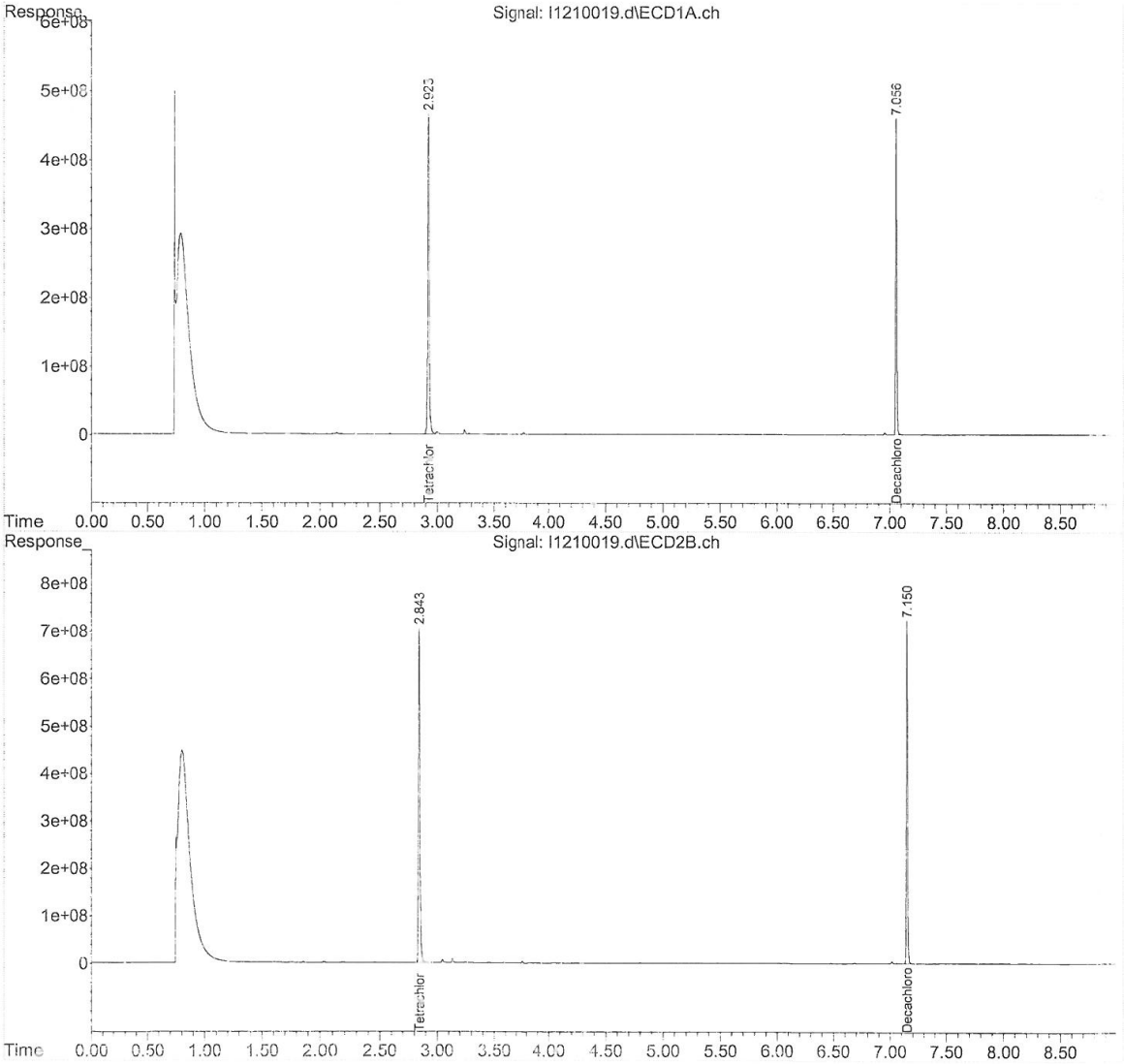


Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : I1210019.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2018 11:26 am
Operator : JMB
Sample : 18L0279-06 Inst : ECD 9
Misc :
ALS Vial : 19 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 10 11:44:12 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-120318.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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

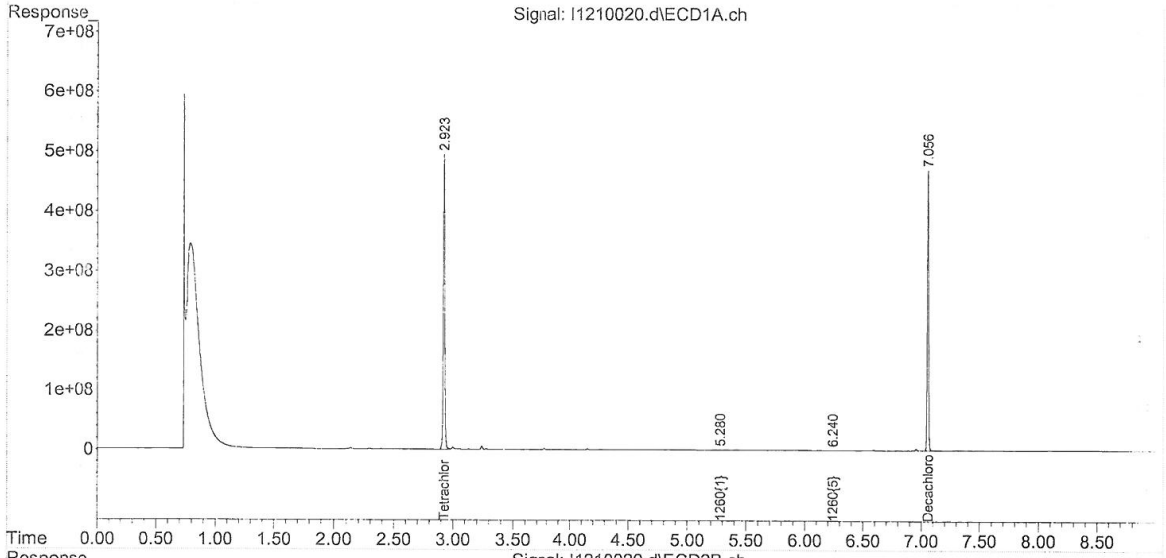


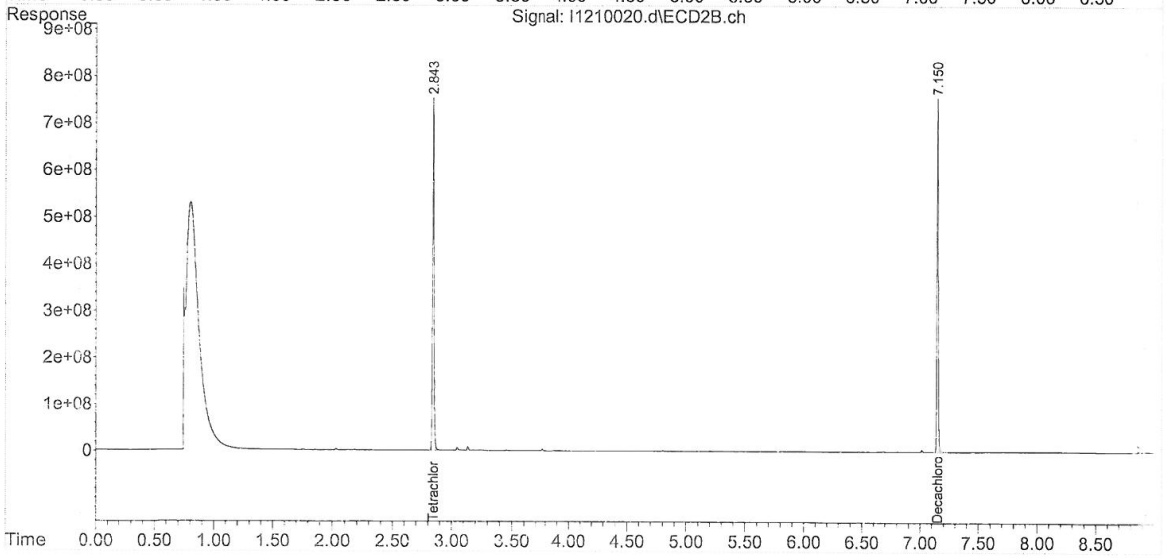
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : I1210020.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2018 11:39 am
Operator : JMB
Sample : 18L0279-07 Inst : ECD 9
Misc :
ALS Vial : 20 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 10 12:52:08 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-120318.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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



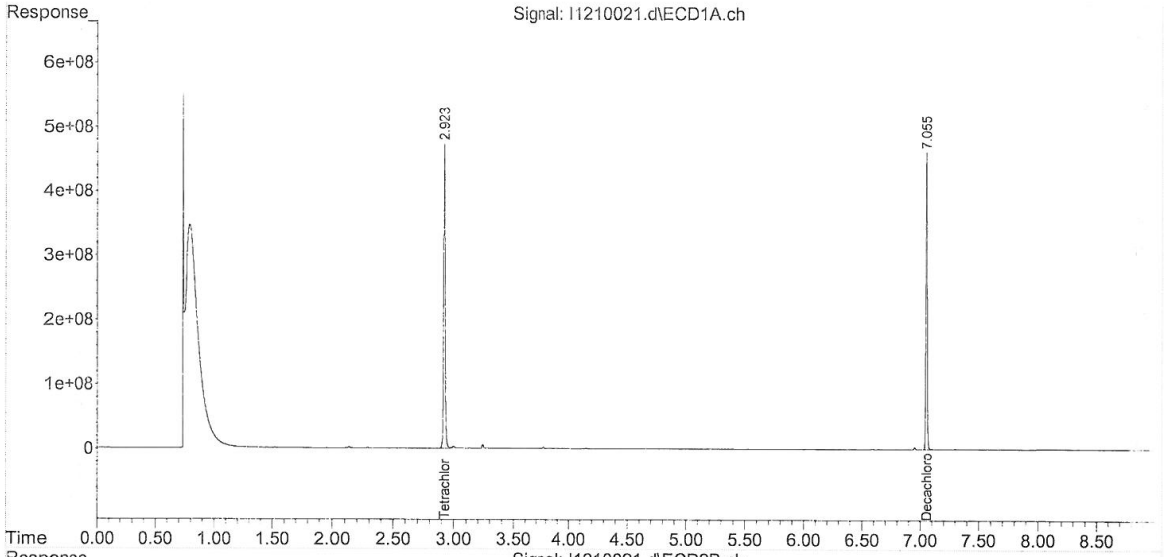


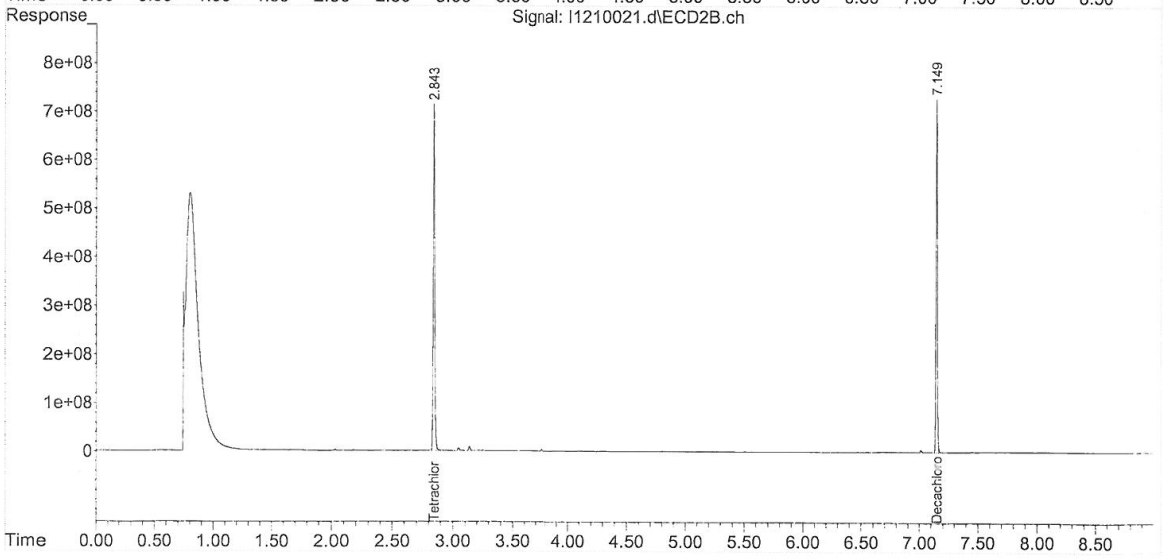
Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : I1210021.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2018 11:51 am
Operator : JMB
Sample : 18L0279-08 Inst : ECD 9
Misc :
ALS Vial : 21 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 10 12:52:11 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-120318.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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





Quantitation Report (Not Reviewed)

Data Path : C:\msdchem\1\data\121018\
Data File : I1210022.d
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2018 12:04 pm
Operator : JMB
Sample : 18L0279-09 Inst : ECD 9
Misc :
ALS Vial : 22 Sample Multiplier: 1

Integration File signal 1: F-1260.E
Integration File signal 2: B-1260.E
Quant Time: Dec 10 12:52:14 2018
Quant Method : C:\msdchem\1\methods\PCB Methods\9-1260-120318.M
Quant Title : 1260/1016 10/31/18 10/23/18 ICAL 1800351
QLast Update : Wed Oct 31 16:00:04 2018
Response via : Initial Calibration
Integrator: ChemStation

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

