



TRC

Address: 21 Griffin Rd N, Windsor, CT

Phone: 860-298-9642

Project Location: 510A Grand Ave, New Haven, CT

Project Number: 263951, 000028, 00001

Project Manager: Carl Stopper

Con-Test Quote Name/Number: B-20180711 English Station

Invoice Recipient: Carl Stopper

Sampled By: Matt Blumstein

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	TRC-AOC-1A-CO-16(0-0.5")	1/24/20	0810			0	L
2	TRC-AOC-1A-CO-17(0-0.5")	1/24/20	0815			0	L
3	TRC-AOC-1A-CO-18(0-0.5")	1/24/20	0820			0	L
4	TRC-AOC-1A-CO-19(0-0.5")	1/24/20	0825			0	L
5	TRC-AOC-1A-CO-20(0-0.5")	1/24/20	0830			0	L
6	TRC-AOC-1A-CO-21(0-0.5")	1/24/20	0835			0	L
7	TRC-AOC-1B-CO-01(0-0.5")	1/24/20	0850			0	L
8	TRC-AOC-1B-CO-02(0-0.5")	1/24/20	0855			0	L
9	TRC-AOC-1B-CO-03(0-0.5")	1/24/20	0905			0	L
10	TRC-AOC-1B-CO-02B(0-0.5")	1/24/20	0900			0	L

Comments:

TRC-AOC-1B-CO-03 MS/MSD

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

(15 AP)

Relinquished by: (signature)	Date/Time:	Relinquished by: (signature)	Date/Time:	Relinquished by: (signature)	Date/Time:	Relinquished by: (signature)	Date/Time:
Matt Blumstein	1/24/20	1:15	4:10	1:15	1610		
Carl Stopper	1/24/20	1:15	4:10	1:15	1610		
Carl Stopper	1/24/20	1:15	4:10	1:15	1610		
Carl Stopper	1/24/20	1:15	4:10	1:15	1610		
Carl Stopper	1/24/20	1:15	4:10	1:15	1610		
Carl Stopper	1/24/20	1:15	4:10	1:15	1610		

Special Requirements

MA MCP Required

MCP Certification Form Required

CT RCP Required

RCP Certification Form Required

MA State DW Required

PW/SID #

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ANALYTICAL LABORATORY

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NELAP and AHA-LAP, LLC Accredited

Project Entity

Government

Federal

City

Municipality

21 J

Brownfield

MWRA

School

MBTA

WRTA

Chromatogram

AIHA-LAP, LLC

Other

PCB ONLY

Soxhlet

Non Soxhlet



TRC

Address: 21 Griffin Rd N, Windsor, CT

Phone: 860-298-9692

Project Name: English Station Parcel A

Project Location: 510A Grand Ave, New Haven, CT

Project Number: 263951 600028 00001

Project Manager: Carl Stepper

Con-Test Quote Name/Number: B-2018 0911 English Station

Invoice Recipient: Carl Stepper

Sampled By: Matt Blumstein

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	TRC-AOC-1B-(0-04(0-0.5))	1/24/20	0910			O	L
12	TRC-AOC-1B-(0-05(0-0.5))	1/24/20	0915			O	L
13	TRC-AOC-1B-(0-06(0-0.5))	1/24/20	0920			O	L
14	EB012420-CO	1/24/20	0945			W	L

Comments:

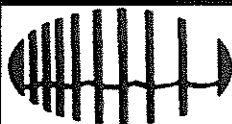
Please use the following codes to indicate possible sample concentration within the Conc Code column above:

H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Date/Time	Special Requirements	MA MCP Required	MCP Certification Form Required	CT RCP Required	RCP Certification Form Required	MA State DW Required	PWSID #	Project Entity	Government	Federal	City	Municipality	21 J	Brownfield	MWRA	School	MBTA	WRTA	Other	Chromatogram	AIHA-LAP, LLC
Matt Blumstein	1/24/20																					
Carl Stepper	1/24/20 1:15																					
Carl Stepper	1/24/20 4:10																					
Carl Stepper	1/24/20 1610																					
Carl Stepper	1/24/20																					



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



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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 TRC

Received By BBP

Date 1/24/20

Time 1610

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 - 2.8
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

Are there Rushes? F

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? n/a

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH? Acid n/a Base n/a

Who was notified? _____
Who was notified? _____
Who was notified? _____
MS/MSD? ed F T
Is splitting samples required? F
On COC? F

Vials	#	Containers:	#	#	#	#
Unp-		1 Liter Amb.	<u>1</u>	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: TRC Environmental Corporation - CT

Project Location: 510A Grand Ave, New Haven, CT

Project Number: 20A1086

Laboratory Sample ID(s):
Sample Date(s):

20A1086-01 thru 20A1086-14

01/24/2020

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:
Position: Technical Representative
Printed Name: Lisa A. Worthington
Date: 02/03/20
Name of Laboratory: Con-Test Analytical Laboratory

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

February 4, 2020

Carl Stopper
TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: 510A Grand Ave., New Haven, CT
Client Job Number:
Project Number: 263951.000028.000001
Laboratory Work Order Number: 20A1156

Enclosed are results of analyses for samples received by the laboratory on January 27, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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

TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Carl Stopper

REPORT DATE: 2/4/2020

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 263951.000028.000001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20A1156

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

PROJECT LOCATION: 510A Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TRC-AOC-1B-CO-07(0-0.5")	20A1156-01	Concrete		SW-846 8082A	
TRC-AOC-1B-CO-08(0-0.5")	20A1156-02	Concrete		SW-846 8082A	
TRC-AOC-1B-CO-09(0-0.5")	20A1156-03	Concrete		SW-846 8082A	
TRC-AOC-1B-CO-10(0-0.5")	20A1156-04	Concrete		SW-846 8082A	
TRC-AOC-1B-CO-11(0-0.5")	20A1156-05	Concrete		SW-846 8082A	
TRC-AOC-1B-CO-12(0-0.5")	20A1156-06	Concrete		SW-846 8082A	
TRC-AOC-1B-CO-13(0-0.5")	20A1156-07	Concrete		SW-846 8082A	
TRC-AOC-1B-CO-14(0-0.5")	20A1156-08	Concrete		SW-846 8082A	
TRC-AOC-1B-CO-15(0-0.5")	20A1156-09	Concrete		SW-846 8082A	
EB012720-CO	20A1156-10	Water		SW-846 8082A	

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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Technical Representative

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1156

Date Received: 1/27/2020

Field Sample #: TRC-AOC-1B-CO-07(0-0.5") Sampled: 1/27/2020 08:30

Sample ID: 20A1156-01

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	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:00	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:00	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:00	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:00	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:00	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:00	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:00	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:00	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:00	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:00	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.1	30-150						1/31/20 19:00	
Decachlorobiphenyl [2]	103	30-150						1/31/20 19:00	
Tetrachloro-m-xylene [1]	97.1	30-150						1/31/20 19:00	
Tetrachloro-m-xylene [2]	104	30-150						1/31/20 19:00	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1156

Date Received: 1/27/2020

Field Sample #: TRC-AOC-1B-CO-08(0-0.5") Sampled: 1/27/2020 08:35

Sample ID: 20A1156-02

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	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:17	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:17	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:17	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:17	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:17	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:17	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:17	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:17	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:17	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:17	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.1	30-150						1/31/20 19:17	
Decachlorobiphenyl [2]	103	30-150						1/31/20 19:17	
Tetrachloro-m-xylene [1]	97.0	30-150						1/31/20 19:17	
Tetrachloro-m-xylene [2]	104	30-150						1/31/20 19:17	

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Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1156

Date Received: 1/27/2020

Field Sample #: TRC-AOC-1B-CO-09(0-0.5")

Sampled: 1/27/2020 08:40

Sample ID: 20A1156-03

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	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:35	TG
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:35	TG
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:35	TG
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:35	TG
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:35	TG
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:35	TG
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:35	TG
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:35	TG
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:35	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:35	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.0	30-150						1/31/20 19:35	
Decachlorobiphenyl [2]	101	30-150						1/31/20 19:35	
Tetrachloro-m-xylene [1]	94.7	30-150						1/31/20 19:35	
Tetrachloro-m-xylene [2]	102	30-150						1/31/20 19:35	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1156

Date Received: 1/27/2020

Field Sample #: TRC-AOC-1B-CO-10(0-0.5") Sampled: 1/27/2020 08:45

Sample ID: 20A1156-04

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	0.097	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:52	TG
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:52	TG
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:52	TG
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:52	TG
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:52	TG
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:52	TG
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:52	TG
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:52	TG
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:52	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 19:52	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.1	30-150						1/31/20 19:52	
Decachlorobiphenyl [2]	104	30-150						1/31/20 19:52	
Tetrachloro-m-xylene [1]	95.9	30-150						1/31/20 19:52	
Tetrachloro-m-xylene [2]	103	30-150						1/31/20 19:52	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1156

Date Received: 1/27/2020

Field Sample #: TRC-AOC-1B-CO-11(0-0.5")

Sampled: 1/27/2020 08:50

Sample ID: 20A1156-05

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	0.075	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:10	TG
Aroclor-1221 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:10	TG
Aroclor-1232 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:10	TG
Aroclor-1242 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:10	TG
Aroclor-1248 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:10	TG
Aroclor-1254 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:10	TG
Aroclor-1260 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:10	TG
Aroclor-1262 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:10	TG
Aroclor-1268 [1]	ND	0.075	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:10	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:10	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	94.5	30-150						1/31/20 20:10	
Decachlorobiphenyl [2]	101	30-150						1/31/20 20:10	
Tetrachloro-m-xylene [1]	94.4	30-150						1/31/20 20:10	
Tetrachloro-m-xylene [2]	102	30-150						1/31/20 20:10	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1156

Date Received: 1/27/2020

Field Sample #: TRC-AOC-1B-CO-12(0-0.5") Sampled: 1/27/2020 08:55

Sample ID: 20A1156-06

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	0.089	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:28	TG
Aroclor-1221 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:28	TG
Aroclor-1232 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:28	TG
Aroclor-1242 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:28	TG
Aroclor-1248 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:28	TG
Aroclor-1254 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:28	TG
Aroclor-1260 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:28	TG
Aroclor-1262 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:28	TG
Aroclor-1268 [1]	ND	0.089	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:28	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:28	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.2	30-150						1/31/20 20:28	
Decachlorobiphenyl [2]	101	30-150						1/31/20 20:28	
Tetrachloro-m-xylene [1]	93.6	30-150						1/31/20 20:28	
Tetrachloro-m-xylene [2]	101	30-150						1/31/20 20:28	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1156

Date Received: 1/27/2020

Field Sample #: TRC-AOC-1B-CO-13(0-0.5")

Sampled: 1/27/2020 09:00

Sample ID: 20A1156-07

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	0.095	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:45	TG
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:45	TG
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:45	TG
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:45	TG
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:45	TG
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:45	TG
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:45	TG
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:45	TG
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:45	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 20:45	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.2	30-150						1/31/20 20:45	
Decachlorobiphenyl [2]	95.9	30-150						1/31/20 20:45	
Tetrachloro-m-xylene [1]	84.7	30-150						1/31/20 20:45	
Tetrachloro-m-xylene [2]	91.2	30-150						1/31/20 20:45	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1156

Date Received: 1/27/2020

Field Sample #: TRC-AOC-1B-CO-14(0-0.5")

Sampled: 1/27/2020 09:05

Sample ID: 20A1156-08

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	0.099	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:03	TG
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:03	TG
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:03	TG
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:03	TG
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:03	TG
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:03	TG
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:03	TG
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:03	TG
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:03	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:03	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	98.5	30-150						1/31/20 21:03	
Decachlorobiphenyl [2]	104	30-150						1/31/20 21:03	
Tetrachloro-m-xylene [1]	92.0	30-150						1/31/20 21:03	
Tetrachloro-m-xylene [2]	99.1	30-150						1/31/20 21:03	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1156

Date Received: 1/27/2020

Field Sample #: TRC-AOC-1B-CO-15(0-0.5")

Sampled: 1/27/2020 09:10

Sample ID: 20A1156-09

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	0.084	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:20	TG
Aroclor-1221 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:20	TG
Aroclor-1232 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:20	TG
Aroclor-1242 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:20	TG
Aroclor-1248 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:20	TG
Aroclor-1254 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:20	TG
Aroclor-1260 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:20	TG
Aroclor-1262 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:20	TG
Aroclor-1268 [1]	ND	0.084	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:20	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 21:20	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.3	30-150						1/31/20 21:20	
Decachlorobiphenyl [2]	101	30-150						1/31/20 21:20	
Tetrachloro-m-xylene [1]	90.4	30-150						1/31/20 21:20	
Tetrachloro-m-xylene [2]	96.6	30-150						1/31/20 21:20	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1156

Date Received: 1/27/2020

Field Sample #: EB012720-CO

Sampled: 1/27/2020 11:00

Sample ID: 20A1156-10

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	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 1:36	TG
Aroclor-1221 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 1:36	TG
Aroclor-1232 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 1:36	TG
Aroclor-1242 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 1:36	TG
Aroclor-1248 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 1:36	TG
Aroclor-1254 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 1:36	TG
Aroclor-1260 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 1:36	TG
Aroclor-1262 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 1:36	TG
Aroclor-1268 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 1:36	TG
Total PCB Aroclors [1]	0.0		µg/L	1		SW-846 8082A	1/29/20	2/1/20 1:36	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.0	30-150						2/1/20 1:36	
Decachlorobiphenyl [2]	93.5	30-150						2/1/20 1:36	
Tetrachloro-m-xylene [1]	82.1	30-150						2/1/20 1:36	
Tetrachloro-m-xylene [2]	88.0	30-150						2/1/20 1:36	

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
20A1156-01 [TRC-AOC-1B-CO-07(0-0.5")]	B251070	2.09	10.0	01/29/20
20A1156-02 [TRC-AOC-1B-CO-08(0-0.5")]	B251070	2.15	10.0	01/29/20
20A1156-03 [TRC-AOC-1B-CO-09(0-0.5")]	B251070	2.15	10.0	01/29/20
20A1156-04 [TRC-AOC-1B-CO-10(0-0.5")]	B251070	2.06	10.0	01/29/20
20A1156-05 [TRC-AOC-1B-CO-11(0-0.5")]	B251070	2.67	10.0	01/29/20
20A1156-06 [TRC-AOC-1B-CO-12(0-0.5")]	B251070	2.25	10.0	01/29/20
20A1156-07 [TRC-AOC-1B-CO-13(0-0.5")]	B251070	2.11	10.0	01/29/20
20A1156-08 [TRC-AOC-1B-CO-14(0-0.5")]	B251070	2.02	10.0	01/29/20
20A1156-09 [TRC-AOC-1B-CO-15(0-0.5")]	B251070	2.39	10.0	01/29/20

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A1156-10 [EB012720-CO]	B251099	955	10.0	01/29/20

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
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Batch B251099 - SW-846 3510C
Blank (B251099-BLK1)

Prepared: 01/29/20 Analyzed: 01/30/20

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							
Total PCB Aroclors	0.0		µg/L							
Surrogate: Decachlorobiphenyl	1.77		µg/L	2.00		88.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.77		µg/L	2.00		88.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.74		µg/L	2.00		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.66		µg/L	2.00		82.9	30-150			

LCS (B251099-BS1)

Prepared: 01/29/20 Analyzed: 01/30/20

Aroclor-1016	0.48	0.20	µg/L	0.500		95.6	40-140			
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500		90.8	40-140			
Aroclor-1254	ND	0.20	µg/L				40-140			
Aroclor-1254 [2C]	ND	0.20	µg/L				40-140			
Aroclor-1260	0.46	0.20	µg/L	0.500		92.7	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		88.4	40-140			
Surrogate: Decachlorobiphenyl	1.82		µg/L	2.00		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.81		µg/L	2.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.84		µg/L	2.00		92.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.76		µg/L	2.00		87.8	30-150			

LCS Dup (B251099-BSD1)

Prepared: 01/29/20 Analyzed: 01/30/20

Aroclor-1016	0.47	0.20	µg/L	0.500		94.6	40-140	1.02	20	
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500		90.4	40-140	0.380	20	
Aroclor-1254	ND	0.20	µg/L				40-140	NC	20	
Aroclor-1254 [2C]	ND	0.20	µg/L				40-140	NC	20	
Aroclor-1260	0.46	0.20	µg/L	0.500		92.6	40-140	0.147	20	
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		88.1	40-140	0.392	20	
Surrogate: Decachlorobiphenyl	1.85		µg/L	2.00		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.84		µg/L	2.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene	1.81		µg/L	2.00		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.73		µg/L	2.00		86.5	30-150			

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
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Batch B251070 - SW-846 3540C
Blank (B251070-BLK1)

Prepared: 01/29/20 Analyzed: 01/31/20

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							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	1.00		mg/Kg	1.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.931		mg/Kg	1.00		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.965		mg/Kg	1.00		96.5	30-150			

LCS (B251070-BS1)

Prepared: 01/29/20 Analyzed: 01/31/20

Aroclor-1016	0.87	0.10	mg/Kg	1.00		87.3	40-140			
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00		90.0	40-140			
Aroclor-1260	0.84	0.10	mg/Kg	1.00		84.1	40-140			
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		87.4	40-140			
Surrogate: Decachlorobiphenyl	0.977		mg/Kg	1.00		97.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.932		mg/Kg	1.00		93.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.976		mg/Kg	1.00		97.6	30-150			

LCS Dup (B251070-BSD1)

Prepared: 01/29/20 Analyzed: 01/31/20

Aroclor-1016	0.88	0.10	mg/Kg	1.00		88.0	40-140	0.803	30	
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00		89.7	40-140	0.364	30	
Aroclor-1260	0.84	0.10	mg/Kg	1.00		84.2	40-140	0.107	30	
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		86.8	40-140	0.702	30	
Surrogate: Decachlorobiphenyl	0.979		mg/Kg	1.00		97.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.945		mg/Kg	1.00		94.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.978		mg/Kg	1.00		97.8	30-150			

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: B251070-BS1 Date(s) Analyzed: 01/31/2020 01/31/2020

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	0.87	
	2	0.000	0.000	0.000	0.90	3.4
Aroclor-1260	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.87	3.5

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: B251070-BSD1 Date(s) Analyzed: 01/31/2020 01/31/2020

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	0.88	
	2	0.000	0.000	0.000	0.90	2.3
Aroclor-1260	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.87	3.5

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: B251099-BS1 Date(s) Analyzed: 01/30/2020 01/30/2020

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	0.45	6.5
Aroclor-1260	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.44	4.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B251099-BSD1 Date(s) Analyzed: 01/30/2020 01/30/2020

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	0.47	
	2	0.000	0.000	0.000	0.45	4.4
Aroclor-1260	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.44	4.4

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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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA

CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Public Health	PH-0567	09/30/2021
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	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 1 of 1



Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

KCM 20A156 TRC

Address: 21 Giffen Rd N, Windsor, CT

Phone: 860-298-9692

Project Name: English Station Parcel A

Project Location: 510A Grant Ave, New Haven, CT

Project Number: 263951, 000028, 000001

Project Manager: Carl Stopper

Con-Test Quote Name/Number: B-20180911 English Station

Invoice Recipient: Carl Stopper

Sampled By: Matt Blumstein

Requested Turnaround Time: 7-Day ☒ 10-Day ☐Due Date: ☐ 1-Day ☐ 3-Day ☐ 4-Day ☐Format: PDF ☒ EXCEL ☒Other: ☐CLP Like Data Pkg Required: ☐Email To: Stopper@trc.comFax To #: PCB8

Beginning Date/Time: 1/27/20

Client Sample ID / Description: TRC-AOL-1B-(0-0.5)

Con-Test Work Order #: 1

Ending Date/Time: 0830

Composite: ☐Grab: ☐

Matrix Code: 0

Conc Code: L

Beginning Date/Time: 1/27/20

Client Sample ID / Description: TRC-AOL-1B-(0-0.5)

Con-Test Work Order #: 2

Ending Date/Time: 0835

Composite: ☐Grab: ☐

Matrix Code: 0

Conc Code: L

Beginning Date/Time: 1/27/20

Client Sample ID / Description: TRC-AOL-1B-(0-0.5)

Con-Test Work Order #: 3

Ending Date/Time: 0840

Composite: ☐Grab: ☐

Matrix Code: 0

Conc Code: L

Beginning Date/Time: 1/27/20

Client Sample ID / Description: TRC-AOL-1B-(0-0.5)

Con-Test Work Order #: 4

Ending Date/Time: 0845

Composite: ☐Grab: ☐

Matrix Code: 0

Conc Code: L

Beginning Date/Time: 1/27/20

Client Sample ID / Description: TRC-AOL-1B-(0-0.5)

Con-Test Work Order #: 5

Ending Date/Time: 0850

Composite: ☐Grab: ☐

Matrix Code: 0

Conc Code: L

Beginning Date/Time: 1/27/20

Client Sample ID / Description: TRC-AOL-1B-(0-0.5)

Con-Test Work Order #: 6

Ending Date/Time: 0855

Composite: ☐Grab: ☐

Matrix Code: 0

Conc Code: L

Beginning Date/Time: 1/27/20

Client Sample ID / Description: TRC-AOL-1B-(0-0.5)

Con-Test Work Order #: 7

Ending Date/Time: 0900

Composite: ☐Grab: ☐

Matrix Code: 0

Conc Code: L

Beginning Date/Time: 1/27/20

Client Sample ID / Description: TRC-AOL-1B-(0-0.5)

Con-Test Work Order #: 8

Ending Date/Time: 0905

Composite: ☐Grab: ☐

Matrix Code: 0

Conc Code: L

Beginning Date/Time: 1/27/20

Client Sample ID / Description: TRC-AOL-1B-(0-0.5)

Con-Test Work Order #: 9

Ending Date/Time: 0910

Composite: ☐Grab: ☐

Matrix Code: 0

Conc Code: L

Beginning Date/Time: 1/27/20

Client Sample ID / Description: TRC-AOL-1B-(0-0.5)

Con-Test Work Order #: 10

Ending Date/Time: 1100

Composite: ☐Grab: ☐

Matrix Code: W

Conc Code: L

Comments: Sample 10 interval (0-0.5") is in inches, not feet.

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

of Containers
Preservation Code
Container CodeDissolved Metals Samples
Field Filtered
Lab to FilterSediment/Solids 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)
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)

PCB ONLY
☒ Soxhlet
☐ Non Soxhlet



NELAP and AIHA-LAP, LLC Accredited

Other
☐ Chromatogram
☐ AIHA-LAP, LLC

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

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

Relinquished by: (signature)
 Date/Time: 1/27/20 1400
Received by: (signature)
 Date/Time: 1/27/20 2:00
Relinquished by: (signature)
 Date/Time: 1/27/20 2:15
Received by: (signature)
 Date/Time: 1/27/20 2:15
Inquired by: (signature)
 Date/Time: 1/27/20 1700
Received by: (signature)
 Date/Time: 1/27/20 1700

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 TRC

Received By UR Date 1-27-2020 Time 1700

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 # U#2 Actual Temp - 3.1
By Blank # _____ Actual Temp - _____

Was Custody Seal Intact? NA Were Samples Tamed 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 Client T Analysis T Sampler Name T

pertinent Information? 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

Proper Media/Containers Used? T MS/MSD? F

Were trip blanks received? F Is splitting samples required? F

Do all samples have the proper pH? NA On COC? F

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
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: TRC Environmental Corporation - CT

Project Location: 510A Grand Ave., New Haven, CT

Project Number: 20A1156

Laboratory Sample ID(s):

20A1156-01 thru 20A1156-10

Sample Date(s):

01/27/2020

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:
Position: Technical Representative
Printed Name: Lisa A. Worthington
Date: 02/04/20
Name of Laboratory: Con-Test Analytical Laboratory

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

February 5, 2020

Carl Stopper
TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: 510A Grand Ave., New Haven, CT
Client Job Number:
Project Number: 263951.000028.000001
Laboratory Work Order Number: 20A1236

Enclosed are results of analyses for samples received by the laboratory on January 28, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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

TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Carl Stopper

REPORT DATE: 2/5/2020

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 263951.000028.000001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20A1236

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

PROJECT LOCATION: 510A Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TRC-AOC-1C-CO-01 (0-0.5")	20A1236-01	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-02 (0-0.5")	20A1236-02	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-03 (0-0.5")	20A1236-03	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-04 (0-0.5")	20A1236-04	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-05 (0-0.5")	20A1236-05	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-06 (0-0.5")	20A1236-06	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-07 (0-0.5")	20A1236-07	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-08 (0-0.5")	20A1236-08	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-08B (0-0.5")	20A1236-09	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-09 (0-0.5")	20A1236-10	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-10 (0-0.5")	20A1236-11	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-11 (0-0.5")	20A1236-12	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-12 (0-0.5")	20A1236-13	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-13 (0-0.5")	20A1236-14	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-14 (0-0.5")	20A1236-15	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-15 (0-0.5")	20A1236-16	Concrete		SW-846 8082A	
TRC-AOC-1C-CO-16 (0-0.5")	20A1236-17	Concrete		SW-846 8082A	
TRC-AOC-1C-WP-01	20A1236-18	Wipe		SW-846 8082A	
TRC-AOC-1C-WP-02	20A1236-19	Wipe		SW-846 8082A	
EB012820-CO	20A1236-20	Equipment Blank Water		SW-846 8082A	

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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Technical Representative

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-01 (0-0.5") Sampled: 1/28/2020 07:30

Sample ID: 20A1236-01

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	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:19	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:19	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:19	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:19	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:19	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:19	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:19	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:19	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:19	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.8	30-150						2/4/20 15:19	
Decachlorobiphenyl [2]	107	30-150						2/4/20 15:19	
Tetrachloro-m-xylene [1]	90.4	30-150						2/4/20 15:19	
Tetrachloro-m-xylene [2]	94.7	30-150						2/4/20 15:19	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-02 (0-0.5") Sampled: 1/28/2020 07:35

Sample ID: 20A1236-02

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	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:37	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:37	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:37	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:37	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:37	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:37	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:37	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:37	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:37	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:37	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.3	30-150						2/4/20 15:37	
Decachlorobiphenyl [2]	102	30-150						2/4/20 15:37	
Tetrachloro-m-xylene [1]	87.2	30-150						2/4/20 15:37	
Tetrachloro-m-xylene [2]	91.4	30-150						2/4/20 15:37	

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Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-03 (0-0.5")

Sampled: 1/28/2020 07:40

Sample ID: 20A1236-03

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	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:55	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:55	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:55	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:55	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:55	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:55	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:55	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:55	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:55	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 15:55	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	105	30-150						2/4/20 15:55	
Decachlorobiphenyl [2]	112	30-150						2/4/20 15:55	
Tetrachloro-m-xylene [1]	95.7	30-150						2/4/20 15:55	
Tetrachloro-m-xylene [2]	100	30-150						2/4/20 15:55	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-04 (0-0.5") Sampled: 1/28/2020 07:45

Sample ID: 20A1236-04

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	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:12	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:12	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:12	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:12	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:12	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:12	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:12	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:12	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:12	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:12	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	101	30-150						2/4/20 16:12	
Decachlorobiphenyl [2]	109	30-150						2/4/20 16:12	
Tetrachloro-m-xylene [1]	88.4	30-150						2/4/20 16:12	
Tetrachloro-m-xylene [2]	92.5	30-150						2/4/20 16:12	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-05 (0-0.5") Sampled: 1/28/2020 07:50

Sample ID: 20A1236-05

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	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:30	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:30	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:30	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:30	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:30	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:30	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:30	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:30	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:30	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:30	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	97.8	30-150						2/4/20 16:30	
Decachlorobiphenyl [2]	105	30-150						2/4/20 16:30	
Tetrachloro-m-xylene [1]	85.2	30-150						2/4/20 16:30	
Tetrachloro-m-xylene [2]	89.7	30-150						2/4/20 16:30	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-06 (0-0.5") Sampled: 1/28/2020 07:55

Sample ID: 20A1236-06

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	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:48	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:48	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:48	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:48	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:48	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:48	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:48	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:48	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:48	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 16:48	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.2	30-150						2/4/20 16:48	
Decachlorobiphenyl [2]	99.6	30-150						2/4/20 16:48	
Tetrachloro-m-xylene [1]	86.0	30-150						2/4/20 16:48	
Tetrachloro-m-xylene [2]	89.9	30-150						2/4/20 16:48	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-07 (0-0.5") Sampled: 1/28/2020 08:00

Sample ID: 20A1236-07

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	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:05	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:05	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:05	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:05	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:05	JMB
Aroclor-1254 [2]	0.11	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:05	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:05	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:05	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:05	JMB
Total PCB Aroclors [1]	0.11		mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:05	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.1	30-150						2/4/20 17:05	
Decachlorobiphenyl [2]	99.2	30-150						2/4/20 17:05	
Tetrachloro-m-xylene [1]	88.1	30-150						2/4/20 17:05	
Tetrachloro-m-xylene [2]	93.0	30-150						2/4/20 17:05	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-08 (0-0.5") Sampled: 1/28/2020 08:05

Sample ID: 20A1236-08

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	1/31/20	2/4/20 17:23	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:23	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:23	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:23	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:23	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:23	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:23	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:23	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:23	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:23	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.9	30-150						2/4/20 17:23	
Decachlorobiphenyl [2]	99.5	30-150						2/4/20 17:23	
Tetrachloro-m-xylene [1]	87.8	30-150						2/4/20 17:23	
Tetrachloro-m-xylene [2]	92.3	30-150						2/4/20 17:23	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-08B (0-0.5") Sampled: 1/28/2020 08:10

Sample ID: 20A1236-09

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	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:40	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:40	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:40	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:40	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:40	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:40	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:40	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:40	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:40	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:40	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.5	30-150						2/4/20 17:40	
Decachlorobiphenyl [2]	103	30-150						2/4/20 17:40	
Tetrachloro-m-xylene [1]	85.6	30-150						2/4/20 17:40	
Tetrachloro-m-xylene [2]	90.7	30-150						2/4/20 17:40	

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Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-09 (0-0.5")

Sampled: 1/28/2020 08:15

Sample ID: 20A1236-10

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	1/31/20	2/4/20 17:58	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:58	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:58	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:58	JMB
Aroclor-1248 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:58	JMB
Aroclor-1254 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:58	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:58	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:58	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:58	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/4/20 17:58	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.4	30-150						2/4/20 17:58	
Decachlorobiphenyl [2]	103	30-150						2/4/20 17:58	
Tetrachloro-m-xylene [1]	88.3	30-150						2/4/20 17:58	
Tetrachloro-m-xylene [2]	92.8	30-150						2/4/20 17:58	

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Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-10 (0-0.5")

Sampled: 1/28/2020 08:20

Sample ID: 20A1236-11

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	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:14	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:14	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:14	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:14	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:14	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:14	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:14	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:14	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:14	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:14	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.1	30-150						2/3/20 17:14	
Decachlorobiphenyl [2]	106	30-150						2/3/20 17:14	
Tetrachloro-m-xylene [1]	95.3	30-150						2/3/20 17:14	
Tetrachloro-m-xylene [2]	102	30-150						2/3/20 17:14	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-11 (0-0.5")

Sampled: 1/28/2020 08:25

Sample ID: 20A1236-12

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	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:32	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:32	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:32	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:32	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:32	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:32	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:32	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:32	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:32	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:32	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.9	30-150						2/3/20 17:32	
Decachlorobiphenyl [2]	99.9	30-150						2/3/20 17:32	
Tetrachloro-m-xylene [1]	87.8	30-150						2/3/20 17:32	
Tetrachloro-m-xylene [2]	94.2	30-150						2/3/20 17:32	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-12 (0-0.5")

Sampled: 1/28/2020 08:30

Sample ID: 20A1236-13

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	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:50	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:50	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:50	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:50	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:50	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:50	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:50	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:50	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:50	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 17:50	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.7	30-150						2/3/20 17:50	
Decachlorobiphenyl [2]	103	30-150						2/3/20 17:50	
Tetrachloro-m-xylene [1]	94.5	30-150						2/3/20 17:50	
Tetrachloro-m-xylene [2]	101	30-150						2/3/20 17:50	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-13 (0-0.5") Sampled: 1/28/2020 08:35

Sample ID: 20A1236-14

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	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:07	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:07	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:07	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:07	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:07	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:07	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:07	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:07	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:07	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:07	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.6	30-150						2/3/20 18:07	
Decachlorobiphenyl [2]	102	30-150						2/3/20 18:07	
Tetrachloro-m-xylene [1]	92.6	30-150						2/3/20 18:07	
Tetrachloro-m-xylene [2]	99.3	30-150						2/3/20 18:07	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-14 (0-0.5")

Sampled: 1/28/2020 08:40

Sample ID: 20A1236-15

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	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:25	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:25	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:25	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:25	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:25	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:25	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:25	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:25	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:25	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:25	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.9	30-150						2/3/20 18:25	
Decachlorobiphenyl [2]	102	30-150						2/3/20 18:25	
Tetrachloro-m-xylene [1]	91.8	30-150						2/3/20 18:25	
Tetrachloro-m-xylene [2]	98.7	30-150						2/3/20 18:25	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-15 (0-0.5")

Sampled: 1/28/2020 08:45

Sample ID: 20A1236-16

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	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:42	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:42	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:42	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:42	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:42	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:42	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:42	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:42	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:42	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 18:42	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.8	30-150						2/3/20 18:42	
Decachlorobiphenyl [2]	103	30-150						2/3/20 18:42	
Tetrachloro-m-xylene [1]	91.6	30-150						2/3/20 18:42	
Tetrachloro-m-xylene [2]	98.3	30-150						2/3/20 18:42	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-CO-16 (0-0.5") Sampled: 1/28/2020 08:50

Sample ID: 20A1236-17

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	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 19:00	TG
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 19:00	TG
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 19:00	TG
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 19:00	TG
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 19:00	TG
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 19:00	TG
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 19:00	TG
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 19:00	TG
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 19:00	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/31/20	2/3/20 19:00	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.0	30-150						2/3/20 19:00	
Decachlorobiphenyl [2]	102	30-150						2/3/20 19:00	
Tetrachloro-m-xylene [1]	93.1	30-150						2/3/20 19:00	
Tetrachloro-m-xylene [2]	99.8	30-150						2/3/20 19:00	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-WP-01

Sampled: 1/28/2020 08:55

Sample ID: 20A1236-18

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	1/29/20	1/31/20 10:29	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:29	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:29	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:29	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:29	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:29	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:29	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:29	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:29	TG
	0.0		µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:29	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.5	30-150						1/31/20 10:29	
Decachlorobiphenyl [2]	98.6	30-150						1/31/20 10:29	
Tetrachloro-m-xylene [1]	94.8	30-150						1/31/20 10:29	
Tetrachloro-m-xylene [2]	91.5	30-150						1/31/20 10:29	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: TRC-AOC-1C-WP-02

Sampled: 1/28/2020 09:00

Sample ID: 20A1236-19

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	1/29/20	1/31/20 10:42	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:42	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:42	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:42	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:42	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:42	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:42	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:42	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:42	TG
	0.0		µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 10:42	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	100	30-150						1/31/20 10:42	
Decachlorobiphenyl [2]	102	30-150						1/31/20 10:42	
Tetrachloro-m-xylene [1]	96.7	30-150						1/31/20 10:42	
Tetrachloro-m-xylene [2]	93.6	30-150						1/31/20 10:42	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20A1236

Date Received: 1/28/2020

Field Sample #: EB012820-CO

Sampled: 1/28/2020 09:10

Sample ID: 20A1236-20

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 2:13	TG
Aroclor-1221 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 2:13	TG
Aroclor-1232 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 2:13	TG
Aroclor-1242 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 2:13	TG
Aroclor-1248 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 2:13	TG
Aroclor-1254 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 2:13	TG
Aroclor-1260 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 2:13	TG
Aroclor-1262 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 2:13	TG
Aroclor-1268 [1]	ND	0.21	µg/L	1		SW-846 8082A	1/29/20	2/1/20 2:13	TG
Total PCB Aroclors [1]	0.0		µg/L	1		SW-846 8082A	1/29/20	2/1/20 2:13	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.3	30-150						2/1/20 2:13	
Decachlorobiphenyl [2]	90.6	30-150						2/1/20 2:13	
Tetrachloro-m-xylene [1]	78.8	30-150						2/1/20 2:13	
Tetrachloro-m-xylene [2]	84.4	30-150						2/1/20 2:13	

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
20A1236-11 [TRC-AOC-1C-CO-10 (0-0.5")]	B251264	2.00	10.0	01/31/20
20A1236-12 [TRC-AOC-1C-CO-11 (0-0.5")]	B251264	2.00	10.0	01/31/20
20A1236-13 [TRC-AOC-1C-CO-12 (0-0.5")]	B251264	2.00	10.0	01/31/20
20A1236-14 [TRC-AOC-1C-CO-13 (0-0.5")]	B251264	2.00	10.0	01/31/20
20A1236-15 [TRC-AOC-1C-CO-14 (0-0.5")]	B251264	2.00	10.0	01/31/20
20A1236-16 [TRC-AOC-1C-CO-15 (0-0.5")]	B251264	2.00	10.0	01/31/20
20A1236-17 [TRC-AOC-1C-CO-16 (0-0.5")]	B251264	2.00	10.0	01/31/20

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

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
20A1236-01 [TRC-AOC-1C-CO-01 (0-0.5")]	B251265	2.01	10.0	01/31/20
20A1236-02 [TRC-AOC-1C-CO-02 (0-0.5")]	B251265	2.01	10.0	01/31/20
20A1236-03 [TRC-AOC-1C-CO-03 (0-0.5")]	B251265	2.03	10.0	01/31/20
20A1236-04 [TRC-AOC-1C-CO-04 (0-0.5")]	B251265	2.00	10.0	01/31/20
20A1236-05 [TRC-AOC-1C-CO-05 (0-0.5")]	B251265	2.04	10.0	01/31/20
20A1236-06 [TRC-AOC-1C-CO-06 (0-0.5")]	B251265	2.02	10.0	01/31/20
20A1236-07 [TRC-AOC-1C-CO-07 (0-0.5")]	B251265	2.04	10.0	01/31/20
20A1236-08 [TRC-AOC-1C-CO-08 (0-0.5")]	B251265	2.12	10.0	01/31/20
20A1236-09 [TRC-AOC-1C-CO-08B (0-0.5")]	B251265	2.01	10.0	01/31/20
20A1236-10 [TRC-AOC-1C-CO-09 (0-0.5")]	B251265	2.02	10.0	01/31/20

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A1236-20 [EB012820-CO]	B251099	965	10.0	01/29/20

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
20A1236-18 [TRC-AOC-1C-WP-01]	B251128	1.00	10.0	01/29/20
20A1236-19 [TRC-AOC-1C-WP-02]	B251128	1.00	10.0	01/29/20

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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
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Batch B251099 - SW-846 3510C

Blank (B251099-BLK1)

Prepared: 01/29/20 Analyzed: 01/30/20

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							
Total PCB Aroclors	0.0		µg/L							
Surrogate: Decachlorobiphenyl	1.77		µg/L	2.00		88.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.77		µg/L	2.00		88.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.74		µg/L	2.00		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.66		µg/L	2.00		82.9	30-150			

LCS (B251099-BS1)

Prepared: 01/29/20 Analyzed: 01/30/20

Aroclor-1016	0.48	0.20	µg/L	0.500		95.6	40-140			
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500		90.8	40-140			
Aroclor-1254	ND	0.20	µg/L				40-140			
Aroclor-1254 [2C]	ND	0.20	µg/L				40-140			
Aroclor-1260	0.46	0.20	µg/L	0.500		92.7	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		88.4	40-140			
Surrogate: Decachlorobiphenyl	1.82		µg/L	2.00		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.81		µg/L	2.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.84		µg/L	2.00		92.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.76		µg/L	2.00		87.8	30-150			

LCS Dup (B251099-BSD1)

Prepared: 01/29/20 Analyzed: 01/30/20

Aroclor-1016	0.47	0.20	µg/L	0.500		94.6	40-140	1.02	20	
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500		90.4	40-140	0.380	20	
Aroclor-1254	ND	0.20	µg/L				40-140	NC	20	
Aroclor-1254 [2C]	ND	0.20	µg/L				40-140	NC	20	
Aroclor-1260	0.46	0.20	µg/L	0.500		92.6	40-140	0.147	20	
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		88.1	40-140	0.392	20	
Surrogate: Decachlorobiphenyl	1.85		µg/L	2.00		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.84		µg/L	2.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene	1.81		µg/L	2.00		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.73		µg/L	2.00		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
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Batch B251128 - SW-846 3540C
Blank (B251128-BLK1)

Prepared: 01/29/20 Analyzed: 01/30/20

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							
Total PCB Aroclors	0.0		µg/Wipe							
Surrogate: Decachlorobiphenyl	2.05		µg/Wipe	2.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.07		µg/Wipe	2.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	2.00		µg/Wipe	2.00		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.95		µg/Wipe	2.00		97.5	30-150			

LCS (B251128-BS1)

Prepared: 01/29/20 Analyzed: 01/30/20

Aroclor-1016	0.56	0.20	µg/Wipe	0.500		112	40-140			
Aroclor-1016 [2C]	0.50	0.20	µg/Wipe	0.500		101	40-140			
Aroclor-1254	ND	0.20	µg/Wipe				40-140			
Aroclor-1254 [2C]	ND	0.20	µg/Wipe				40-140			
Aroclor-1260	0.48	0.20	µg/Wipe	0.500		96.8	40-140			
Aroclor-1260 [2C]	0.46	0.20	µg/Wipe	0.500		91.1	40-140			
Surrogate: Decachlorobiphenyl	2.09		µg/Wipe	2.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.11		µg/Wipe	2.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	2.18		µg/Wipe	2.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.11		µg/Wipe	2.00		105	30-150			

LCS Dup (B251128-BSD1)

Prepared: 01/29/20 Analyzed: 01/30/20

Aroclor-1016	0.51	0.20	µg/Wipe	0.500		102	40-140	8.92	30	
Aroclor-1016 [2C]	0.46	0.20	µg/Wipe	0.500		92.5	40-140	8.35	30	
Aroclor-1254	ND	0.20	µg/Wipe				40-140	NC	30	
Aroclor-1254 [2C]	ND	0.20	µg/Wipe				40-140	NC	30	
Aroclor-1260	0.44	0.20	µg/Wipe	0.500		88.5	40-140	9.00	30	
Aroclor-1260 [2C]	0.42	0.20	µg/Wipe	0.500		83.6	40-140	8.56	30	
Surrogate: Decachlorobiphenyl	1.84		µg/Wipe	2.00		92.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.87		µg/Wipe	2.00		93.4	30-150			
Surrogate: Tetrachloro-m-xylene	2.05		µg/Wipe	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.00		µg/Wipe	2.00		100	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
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Batch B251264 - SW-846 3540C
Blank (B251264-BLK1)

Prepared: 01/31/20 Analyzed: 02/03/20

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							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.996		mg/Kg	1.00		99.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.863		mg/Kg	1.00		86.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.911		mg/Kg	1.00		91.1	30-150			

LCS (B251264-BS1)

Prepared: 01/31/20 Analyzed: 02/03/20

Aroclor-1016	0.87	0.10	mg/Kg	1.00		87.4	40-140			
Aroclor-1016 [2C]	0.92	0.10	mg/Kg	1.00		91.7	40-140			
Aroclor-1260	0.85	0.10	mg/Kg	1.00		84.7	40-140			
Aroclor-1260 [2C]	0.89	0.10	mg/Kg	1.00		88.9	40-140			
Surrogate: Decachlorobiphenyl	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.10		mg/Kg	1.00		110	30-150			
Surrogate: Tetrachloro-m-xylene	0.935		mg/Kg	1.00		93.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.987		mg/Kg	1.00		98.7	30-150			

LCS Dup (B251264-BSD1)

Prepared: 01/31/20 Analyzed: 02/03/20

Aroclor-1016	0.87	0.10	mg/Kg	1.00		86.9	40-140	0.668	30	
Aroclor-1016 [2C]	0.89	0.10	mg/Kg	1.00		88.9	40-140	3.03	30	
Aroclor-1260	0.84	0.10	mg/Kg	1.00		84.2	40-140	0.589	30	
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		88.1	40-140	0.904	30	
Surrogate: Decachlorobiphenyl	0.997		mg/Kg	1.00		99.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.07		mg/Kg	1.00		107	30-150			
Surrogate: Tetrachloro-m-xylene	0.902		mg/Kg	1.00		90.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.951		mg/Kg	1.00		95.1	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
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Batch B251265 - SW-846 3540C
Blank (B251265-BLK1)

Prepared: 01/31/20 Analyzed: 02/04/20

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							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.987		mg/Kg	1.00		98.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.06		mg/Kg	1.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	0.936		mg/Kg	1.00		93.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.991		mg/Kg	1.00		99.1	30-150			

LCS (B251265-BS1)

Prepared: 01/31/20 Analyzed: 02/04/20

Aroclor-1016	0.87	0.10	mg/Kg	1.00		86.7	40-140			
Aroclor-1016 [2C]	0.93	0.10	mg/Kg	1.00		92.6	40-140			
Aroclor-1260	0.88	0.10	mg/Kg	1.00		87.9	40-140			
Aroclor-1260 [2C]	0.91	0.10	mg/Kg	1.00		90.8	40-140			
Surrogate: Decachlorobiphenyl	1.00		mg/Kg	1.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.08		mg/Kg	1.00		108	30-150			
Surrogate: Tetrachloro-m-xylene	0.854		mg/Kg	1.00		85.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.904		mg/Kg	1.00		90.4	30-150			

LCS Dup (B251265-BSD1)

Prepared: 01/31/20 Analyzed: 02/04/20

Aroclor-1016	0.85	0.10	mg/Kg	1.00		84.8	40-140	2.14	30	
Aroclor-1016 [2C]	0.89	0.10	mg/Kg	1.00		89.5	40-140	3.41	30	
Aroclor-1260	0.82	0.10	mg/Kg	1.00		82.2	40-140	6.64	30	
Aroclor-1260 [2C]	0.86	0.10	mg/Kg	1.00		86.2	40-140	5.13	30	
Surrogate: Decachlorobiphenyl	0.972		mg/Kg	1.00		97.2	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.897		mg/Kg	1.00		89.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.945		mg/Kg	1.00		94.5	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
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Batch B251265 - SW-846 3540C

Matrix Spike (B251265-MS1)	Source: 20A1236-10			Prepared: 01/31/20 Analyzed: 02/04/20						
Aroclor-1016	0.81	0.095	mg/Kg	0.948	ND	84.9	40-140			
Aroclor-1016 [2C]	0.87	0.095	mg/Kg	0.948	ND	91.9	40-140			
Aroclor-1260	0.79	0.095	mg/Kg	0.948	ND	83.8	40-140			
Aroclor-1260 [2C]	0.82	0.095	mg/Kg	0.948	ND	86.2	40-140			
Surrogate: Decachlorobiphenyl	0.916		mg/Kg	0.948		96.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.981		mg/Kg	0.948		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.868		mg/Kg	0.948		91.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.911		mg/Kg	0.948		96.1	30-150			

Matrix Spike Dup (B251265-MSD1)	Source: 20A1236-10			Prepared: 01/31/20 Analyzed: 02/04/20						
Aroclor-1016	0.83	0.097	mg/Kg	0.966	ND	85.9	40-140	3.03	50	
Aroclor-1016 [2C]	0.89	0.097	mg/Kg	0.966	ND	92.0	40-140	2.11	50	
Aroclor-1260	0.82	0.097	mg/Kg	0.966	ND	85.3	40-140	3.71	50	
Aroclor-1260 [2C]	0.85	0.097	mg/Kg	0.966	ND	87.9	40-140	3.84	50	
Surrogate: Decachlorobiphenyl	0.946		mg/Kg	0.966		97.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.02		mg/Kg	0.966		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.847		mg/Kg	0.966		87.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.890		mg/Kg	0.966		92.2	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS

Lab Sample ID: B251099-BS1 Date(s) Analyzed: 01/30/2020 01/30/2020
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	0.45	6.5
Aroclor-1260	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.44	4.4

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B251099-BSD1 Date(s) Analyzed: 01/30/2020 01/30/2020

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	0.47	
	2	0.000	0.000	0.000	0.45	4.4
Aroclor-1260	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.44	4.4

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: B251128-BS1 Date(s) Analyzed: 01/30/2020 01/30/2020

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	0.56	
	2	0.000	0.000	0.000	0.50	11.3
Aroclor-1260	1	0.000	0.000	0.000	0.48	
	2	0.000	0.000	0.000	0.46	4.3

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: B251128-BSD1 Date(s) Analyzed: 01/30/2020 01/30/2020

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	0.51	
	2	0.000	0.000	0.000	0.46	10.3
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.42	4.7

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: B251264-BS1 Date(s) Analyzed: 02/03/2020 02/03/2020

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	0.87	
	2	0.000	0.000	0.000	0.92	5.6
Aroclor-1260	1	0.000	0.000	0.000	0.85	
	2	0.000	0.000	0.000	0.89	4.6

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***LCS Dup**

Lab Sample ID: B251264-BSD1 Date(s) Analyzed: 02/03/2020 02/03/2020
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	0.87	
	2	0.000	0.000	0.000	0.89	2.3
Aroclor-1260	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.88	4.7

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: B251265-BS1 Date(s) Analyzed: 02/04/2020 02/04/2020

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	0.87	
	2	0.000	0.000	0.000	0.93	6.7
Aroclor-1260	1	0.000	0.000	0.000	0.88	
	2	0.000	0.000	0.000	0.91	3.4

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: B251265-BSD1 Date(s) Analyzed: 02/04/2020 02/04/2020

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	0.85	
	2	0.000	0.000	0.000	0.89	4.6
Aroclor-1260	1	0.000	0.000	0.000	0.82	
	2	0.000	0.000	0.000	0.86	4.8

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A
Matrix Spike

Lab Sample ID: B251265-MS1 Date(s) Analyzed: 02/04/2020 02/04/2020

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	0.81	
	2	0.000	0.000	0.000	0.87	7.1
Aroclor-1260	1	0.000	0.000	0.000	0.79	
	2	0.000	0.000	0.000	0.82	3.7

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B251265-MSD1 Date(s) Analyzed: 02/04/2020 02/04/2020

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	0.83	
	2	0.000	0.000	0.000	0.89	7.0
Aroclor-1260	1	0.000	0.000	0.000	0.82	
	2	0.000	0.000	0.000	0.85	3.6

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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA

CERTIFICATIONS

Certified Analyses included in this Report

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

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 - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Public Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2021
RI	Rhode Island Department of Health	LAO00112	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

Doc # 381 Rev 1_03242017

<http://www.contestlabs.com>

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



KLW 20A1236 TRC

Address: 21 Griffin Rd N, Windsor, CT
 Phone: 860-298-9692
 Project Name: English Station Parcel A
 Project Location: 510A Grand Ave, New Haven, CT
 Project Number: 263951, 000028, 000001
 Project Manager: Carl Stopper
 Con-Test Quote Name/Number: B-20180911 English Station
 Invoice Recipient: Carl Stopper
 Sampled By: Matt Blumstein

CHAIN OF CUSTODY RECORD
 39 Spruce Street
 East Longmeadow, MA 01028

Page 1 of 2

Requested Analysis		Due Date		Rush Approval Required		Data Delivery		Format		Other		CLP Like Data Pkg Required		Email To		Fax To	
7-Day	10-Day	1-Day	3-Day	2-Day	4-Day	PDF	EXCEL	Other	CLP Like Data Pkg Required	Email To	Fax To	CLP					
☒	☐	☐	☐	☐	☐	☒	☒			CStopper@trc.companies	1000						
ANALYSIS REQUESTED																	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
Comments: TRC-AOC-1C-CO-09 is MS/MSD																	
Required by: (signature) <i>Mark Pan</i> Date/Time: 1/28/20 1620 Received by: (signature) <i>Michael Pan</i> Date/Time: 1/28/20 415 Relinquished by: (signature) <i>Michael Pan</i> Date/Time: 1/28/20 415 Received by: (signature) <i>Carl Stopper</i> Date/Time: 1/28/20 1810 Relinquished by: (signature) <i>Carl Stopper</i> Date/Time: 1/28/20 1810 Received by: (signature) <i>Carl Stopper</i> Date/Time: 1/28/20 1810																	

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
1	TRC-AOC-1C-CO-01 (0-0.5)	1/28/20	0730			0	L
2	TRC-AOC-1C-CO-02 (0-0.5)		0735			0	L
3	TRC-AOC-1C-CO-03 (0-0.5)		0740			0	L
4	TRC-AOC-1C-CO-04 (0-0.5)		0745			0	L
5	TRC-AOC-1C-CO-05 (0-0.5)		0750			0	L
6	TRC-AOC-1C-CO-06 (0-0.5)		0755			0	L
7	TRC-AOC-1C-CO-07 (0-0.5)		0800			0	L
8	TRC-AOC-1C-CO-08 (0-0.5)		0805			0	L
9	TRC-AOC-1C-CO-08B (0-0.5)		0810			0	L
10	TRC-AOC-1C-CO-09 (0-0.5)		0815			0	L

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

Project Entity		Government		Federal		City		Municipality		MWRA		School		MBTA		Other	
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

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

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

Preservation Codes		I = Iced		H = HCL		M = Methanol		N = Nitric Acid		S = Sulfuric Acid		B = Sodium Bisulfate		X = Sodium Hydroxide		T = Sodium	
☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

PCB ONLY		Soxhlet		Non Soxhlet	
☒	☐	☐	☐	☐	☐

39 Spruce Street
East Longmeadow, MA 01028

CHAIN OF CUSTODY RECORD

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com



KCM 20A123 TRC

Address: 21 Griffin Rd N, Windsor, CT

Phone: 860-298-9692

Project Location: English Station Parcel A

Project Number: 5104 Grand Ave, New Haven, CT

Project Manager: 263951 000028, 000001

Con-Test Quote Name/Number: B-20180711 English Station

Invoice Recipient: Carl Stopper

Sampled By: Matt Blumstein

Client Sample ID / Description

Beginning Date/Time

Ending Date/Time

Composite

Grab

Matrix Code

Conc Code

Conc

Conc

Conc

Conc

Conc

Conc

Conc

Conc

Conc

Conc

Conc

Conc

Conc

Conc

Conc

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Conc

Conc

Conc

7-Day ☒ 10-Day ☐

Due Date:

1-Day ☐ 3-Day ☐2-Day ☐ 4-Day ☐Format: PDF ☒ EXCEL ☒

Other:

CLP Like Data Pkg Required: ☐Email To: Stopper@trc.comFax To: com

ANALYSIS REQUESTED

# of Containers	
2 Preservation Code	
3 Container Code	
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)
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)

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



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

NELAP and AIHA-LAP, LLC Accredited

Other

Chromatogram

AIHA-LAP, LLC

WRTA

MWRA

School

MBTA

Municipality

21 J

Brownfield

Government

Federal

City

Project Entity

Government

Federal

City

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

Date/Time:

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 TRC

Received By UR Date 1-28-2020 Time 12:10

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 # 5 Actual Temp -3.3
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 Client T Analysis T Sampler Name T

pertinent Information? 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? T

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.	<u>1</u>	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 <u>19/2</u>
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: TRC Environmental Corporation - CT

Project Location: 510A Grand Ave., New Haven, CT

Project Number: 20A1236

Laboratory Sample ID(s):

20A1236-01 thru 20A1236-20

Sample Date(s):

01/28/2020

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:
Position: Technical Representative
Printed Name: Lisa A. Worthington
Date: 02/05/20
Name of Laboratory: Con-Test Analytical Laboratory

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

January 31, 2020

Carl Stopper
TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: 510A Grand Ave., New Haven, CT
Client Job Number:
Project Number: 263951.000028.000001
Laboratory Work Order Number: 20A1276

Enclosed are results of analyses for samples received by the laboratory on January 29, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Carl Stopper

REPORT DATE: 1/31/2020

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 263951.000028.000001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20A1276

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

PROJECT LOCATION: 510A Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TRC-AOC-1D-CO-01 (0-0.5")	20A1276-01	Concrete		SW-846 8082A	
TRC-AOC-1D-CO-02 (0-0.5")	20A1276-02	Concrete		SW-846 8082A	
TRC-AOC-1D-CO-03 (0-0.5")	20A1276-03	Concrete		SW-846 8082A	
TRC-AOC-1D-CO-04 (0-0.5")	20A1276-04	Concrete		SW-846 8082A	
TRC-AOC-1D-WP-01	20A1276-05	Wipe		SW-846 8082A	
TRC-AOC-1D-WP-02	20A1276-06	Wipe		SW-846 8082A	
TRC-AOC-1D-WP-03	20A1276-07	Wipe		SW-846 8082A	
TRC-AOC-1D-WP-04	20A1276-08	Wipe		SW-846 8082A	
EB 012920-CO	20A1276-09	Equipment Blank Water		SW-846 8082A	

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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Technical Representative

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1276

Date Received: 1/29/2020

Field Sample #: TRC-AOC-1D-CO-01 (0-0.5") Sampled: 1/29/2020 07:35

Sample ID: 20A1276-01

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	1/29/20	1/31/20 11:42	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:42	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:42	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:42	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:42	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:42	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:42	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:42	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:42	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:42	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.3	30-150						1/31/20 11:42	
Decachlorobiphenyl [2]	85.9	30-150						1/31/20 11:42	
Tetrachloro-m-xylene [1]	92.3	30-150						1/31/20 11:42	
Tetrachloro-m-xylene [2]	97.2	30-150						1/31/20 11:42	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1276

Date Received: 1/29/2020

Field Sample #: TRC-AOC-1D-CO-02 (0-0.5") Sampled: 1/29/2020 07:40

Sample ID: 20A1276-02

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	1/29/20	1/31/20 11:59	TG
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:59	TG
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:59	TG
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:59	TG
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:59	TG
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:59	TG
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:59	TG
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:59	TG
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:59	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 11:59	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.7	30-150						1/31/20 11:59	
Decachlorobiphenyl [2]	101	30-150						1/31/20 11:59	
Tetrachloro-m-xylene [1]	88.4	30-150						1/31/20 11:59	
Tetrachloro-m-xylene [2]	94.4	30-150						1/31/20 11:59	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1276

Date Received: 1/29/2020

Field Sample #: TRC-AOC-1D-CO-03 (0-0.5") Sampled: 1/29/2020 07:45

Sample ID: 20A1276-03

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	1/29/20	1/31/20 12:17	TG
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:17	TG
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:17	TG
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:17	TG
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:17	TG
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:17	TG
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:17	TG
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:17	TG
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:17	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:17	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	93.1	30-150						1/31/20 12:17	
Decachlorobiphenyl [2]	97.2	30-150						1/31/20 12:17	
Tetrachloro-m-xylene [1]	92.5	30-150						1/31/20 12:17	
Tetrachloro-m-xylene [2]	98.6	30-150						1/31/20 12:17	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1276

Date Received: 1/29/2020

Field Sample #: TRC-AOC-1D-CO-04 (0-0.5") Sampled: 1/29/2020 07:50

Sample ID: 20A1276-04

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	0.094	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:35	TG
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:35	TG
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:35	TG
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:35	TG
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:35	TG
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:35	TG
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:35	TG
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:35	TG
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:35	TG
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	1/29/20	1/31/20 12:35	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	90.8	30-150						1/31/20 12:35	
Decachlorobiphenyl [2]	93.5	30-150						1/31/20 12:35	
Tetrachloro-m-xylene [1]	86.2	30-150						1/31/20 12:35	
Tetrachloro-m-xylene [2]	90.5	30-150						1/31/20 12:35	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1276

Date Received: 1/29/2020

Field Sample #: TRC-AOC-1D-WP-01

Sampled: 1/29/2020 07:55

Sample ID: 20A1276-05

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	1/29/20	1/31/20 9:40	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 9:40	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 9:40	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 9:40	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 9:40	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 9:40	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 9:40	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 9:40	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 9:40	TG
	0.0		µg/Wipe	1		SW-846 8082A	1/29/20	1/31/20 9:40	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	102	30-150						1/31/20 9:40	
Decachlorobiphenyl [2]	102	30-150						1/31/20 9:40	
Tetrachloro-m-xylene [1]	102	30-150						1/31/20 9:40	
Tetrachloro-m-xylene [2]	96.0	30-150						1/31/20 9:40	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1276

Date Received: 1/29/2020

Field Sample #: TRC-AOC-1D-WP-02

Sampled: 1/29/2020 08:00

Sample ID: 20A1276-06

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	1/29/20	1/30/20 18:51	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 18:51	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 18:51	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 18:51	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 18:51	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 18:51	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 18:51	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 18:51	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 18:51	TG
	0.0		µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 18:51	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.3	30-150						1/30/20 18:51	
Decachlorobiphenyl [2]	97.3	30-150						1/30/20 18:51	
Tetrachloro-m-xylene [1]	97.1	30-150						1/30/20 18:51	
Tetrachloro-m-xylene [2]	94.4	30-150						1/30/20 18:51	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1276

Date Received: 1/29/2020

Field Sample #: TRC-AOC-1D-WP-03

Sampled: 1/29/2020 08:05

Sample ID: 20A1276-07

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	1/29/20	1/30/20 19:09	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:09	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:09	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:09	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:09	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:09	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:09	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:09	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:09	TG
	0.0		µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:09	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	99.4	30-150						1/30/20 19:09	
Decachlorobiphenyl [2]	100	30-150						1/30/20 19:09	
Tetrachloro-m-xylene [1]	102	30-150						1/30/20 19:09	
Tetrachloro-m-xylene [2]	99.4	30-150						1/30/20 19:09	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1276

Date Received: 1/29/2020

Field Sample #: TRC-AOC-1D-WP-04

Sampled: 1/29/2020 08:10

Sample ID: 20A1276-08

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	1/29/20	1/30/20 19:26	TG
Aroclor-1221 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:26	TG
Aroclor-1232 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:26	TG
Aroclor-1242 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:26	TG
Aroclor-1248 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:26	TG
Aroclor-1254 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:26	TG
Aroclor-1260 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:26	TG
Aroclor-1262 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:26	TG
Aroclor-1268 [1]	ND	0.20	µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:26	TG
	0.0		µg/Wipe	1		SW-846 8082A	1/29/20	1/30/20 19:26	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.5	30-150						1/30/20 19:26	
Decachlorobiphenyl [2]	97.5	30-150						1/30/20 19:26	
Tetrachloro-m-xylene [1]	98.8	30-150						1/30/20 19:26	
Tetrachloro-m-xylene [2]	95.9	30-150						1/30/20 19:26	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20A1276

Date Received: 1/29/2020

Field Sample #: EB 012920-CO

Sampled: 1/29/2020 08:20

Sample ID: 20A1276-09

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/29/20	1/30/20 14:32	TG
Aroclor-1221 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/29/20	1/30/20 14:32	TG
Aroclor-1232 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/29/20	1/30/20 14:32	TG
Aroclor-1242 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/29/20	1/30/20 14:32	TG
Aroclor-1248 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/29/20	1/30/20 14:32	TG
Aroclor-1254 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/29/20	1/30/20 14:32	TG
Aroclor-1260 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/29/20	1/30/20 14:32	TG
Aroclor-1262 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/29/20	1/30/20 14:32	TG
Aroclor-1268 [1]	ND	0.20	µg/L	1		SW-846 8082A	1/29/20	1/30/20 14:32	TG
Total PCB Aroclors [1]	0.0		µg/L	1		SW-846 8082A	1/29/20	1/30/20 14:32	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	87.1	30-150						1/30/20 14:32	
Decachlorobiphenyl [2]	87.2	30-150						1/30/20 14:32	
Tetrachloro-m-xylene [1]	84.5	30-150						1/30/20 14:32	
Tetrachloro-m-xylene [2]	81.7	30-150						1/30/20 14:32	

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
20A1276-01 [TRC-AOC-1D-CO-01 (0-0.5")]	B251070	2.05	10.0	01/29/20
20A1276-02 [TRC-AOC-1D-CO-02 (0-0.5")]	B251070	2.09	10.0	01/29/20
20A1276-03 [TRC-AOC-1D-CO-03 (0-0.5")]	B251070	2.05	10.0	01/29/20
20A1276-04 [TRC-AOC-1D-CO-04 (0-0.5")]	B251070	2.13	10.0	01/29/20

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20A1276-09 [EB 012920-CO]	B251099	1000	10.0	01/29/20

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

Lab Number [Field ID]	Batch	Initial [Wipe]	Final [mL]	Date
20A1276-05 [TRC-AOC-1D-WP-01]	B251128	1.00	10.0	01/29/20
20A1276-06 [TRC-AOC-1D-WP-02]	B251128	1.00	10.0	01/29/20
20A1276-07 [TRC-AOC-1D-WP-03]	B251128	1.00	10.0	01/29/20
20A1276-08 [TRC-AOC-1D-WP-04]	B251128	1.00	10.0	01/29/20

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
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Batch B251099 - SW-846 3510C
Blank (B251099-BLK1)

Prepared: 01/29/20 Analyzed: 01/30/20

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							
Total PCB Aroclors	0.0		µg/L							
Surrogate: Decachlorobiphenyl	1.77		µg/L	2.00		88.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.77		µg/L	2.00		88.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.74		µg/L	2.00		87.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.66		µg/L	2.00		82.9	30-150			

LCS (B251099-BS1)

Prepared: 01/29/20 Analyzed: 01/30/20

Aroclor-1016	0.48	0.20	µg/L	0.500		95.6	40-140			
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500		90.8	40-140			
Aroclor-1254	ND	0.20	µg/L				40-140			
Aroclor-1254 [2C]	ND	0.20	µg/L				40-140			
Aroclor-1260	0.46	0.20	µg/L	0.500		92.7	40-140			
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		88.4	40-140			
Surrogate: Decachlorobiphenyl	1.82		µg/L	2.00		90.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.81		µg/L	2.00		90.6	30-150			
Surrogate: Tetrachloro-m-xylene	1.84		µg/L	2.00		92.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.76		µg/L	2.00		87.8	30-150			

LCS Dup (B251099-BSD1)

Prepared: 01/29/20 Analyzed: 01/30/20

Aroclor-1016	0.47	0.20	µg/L	0.500		94.6	40-140	1.02	20	
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500		90.4	40-140	0.380	20	
Aroclor-1254	ND	0.20	µg/L				40-140	NC	20	
Aroclor-1254 [2C]	ND	0.20	µg/L				40-140	NC	20	
Aroclor-1260	0.46	0.20	µg/L	0.500		92.6	40-140	0.147	20	
Aroclor-1260 [2C]	0.44	0.20	µg/L	0.500		88.1	40-140	0.392	20	
Surrogate: Decachlorobiphenyl	1.85		µg/L	2.00		92.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.84		µg/L	2.00		92.2	30-150			
Surrogate: Tetrachloro-m-xylene	1.81		µg/L	2.00		90.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.73		µg/L	2.00		86.5	30-150			

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
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Batch B251070 - SW-846 3540C
Blank (B251070-BLK1)

Prepared: 01/29/20 Analyzed: 01/31/20

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							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	1.00		mg/Kg	1.00		100	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.05		mg/Kg	1.00		105	30-150			
Surrogate: Tetrachloro-m-xylene	0.931		mg/Kg	1.00		93.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.965		mg/Kg	1.00		96.5	30-150			

LCS (B251070-BS1)

Prepared: 01/29/20 Analyzed: 01/31/20

Aroclor-1016	0.87	0.10	mg/Kg	1.00		87.3	40-140			
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00		90.0	40-140			
Aroclor-1260	0.84	0.10	mg/Kg	1.00		84.1	40-140			
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		87.4	40-140			
Surrogate: Decachlorobiphenyl	0.977		mg/Kg	1.00		97.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.04		mg/Kg	1.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	0.932		mg/Kg	1.00		93.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.976		mg/Kg	1.00		97.6	30-150			

LCS Dup (B251070-BSD1)

Prepared: 01/29/20 Analyzed: 01/31/20

Aroclor-1016	0.88	0.10	mg/Kg	1.00		88.0	40-140	0.803	30	
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00		89.7	40-140	0.364	30	
Aroclor-1260	0.84	0.10	mg/Kg	1.00		84.2	40-140	0.107	30	
Aroclor-1260 [2C]	0.87	0.10	mg/Kg	1.00		86.8	40-140	0.702	30	
Surrogate: Decachlorobiphenyl	0.979		mg/Kg	1.00		97.9	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.03		mg/Kg	1.00		103	30-150			
Surrogate: Tetrachloro-m-xylene	0.945		mg/Kg	1.00		94.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.978		mg/Kg	1.00		97.8	30-150			

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
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Batch B251128 - SW-846 3540C

Blank (B251128-BLK1)

Prepared: 01/29/20 Analyzed: 01/30/20

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							
Total PCB Aroclors	0.0		µg/Wipe							
Surrogate: Decachlorobiphenyl	2.05		µg/Wipe	2.00		103	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.07		µg/Wipe	2.00		104	30-150			
Surrogate: Tetrachloro-m-xylene	2.00		µg/Wipe	2.00		100	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.95		µg/Wipe	2.00		97.5	30-150			

LCS (B251128-BS1)

Prepared: 01/29/20 Analyzed: 01/30/20

Aroclor-1016	0.56	0.20	µg/Wipe	0.500		112	40-140			
Aroclor-1016 [2C]	0.50	0.20	µg/Wipe	0.500		101	40-140			
Aroclor-1254	ND	0.20	µg/Wipe				40-140			
Aroclor-1254 [2C]	ND	0.20	µg/Wipe				40-140			
Aroclor-1260	0.48	0.20	µg/Wipe	0.500		96.8	40-140			
Aroclor-1260 [2C]	0.46	0.20	µg/Wipe	0.500		91.1	40-140			
Surrogate: Decachlorobiphenyl	2.09		µg/Wipe	2.00		105	30-150			
Surrogate: Decachlorobiphenyl [2C]	2.11		µg/Wipe	2.00		106	30-150			
Surrogate: Tetrachloro-m-xylene	2.18		µg/Wipe	2.00		109	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.11		µg/Wipe	2.00		105	30-150			

LCS Dup (B251128-BS1)

Prepared: 01/29/20 Analyzed: 01/30/20

Aroclor-1016	0.51	0.20	µg/Wipe	0.500		102	40-140	8.92	30	
Aroclor-1016 [2C]	0.46	0.20	µg/Wipe	0.500		92.5	40-140	8.35	30	
Aroclor-1254	ND	0.20	µg/Wipe				40-140	NC	30	
Aroclor-1254 [2C]	ND	0.20	µg/Wipe				40-140	NC	30	
Aroclor-1260	0.44	0.20	µg/Wipe	0.500		88.5	40-140	9.00	30	
Aroclor-1260 [2C]	0.42	0.20	µg/Wipe	0.500		83.6	40-140	8.56	30	
Surrogate: Decachlorobiphenyl	1.84		µg/Wipe	2.00		92.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.87		µg/Wipe	2.00		93.4	30-150			
Surrogate: Tetrachloro-m-xylene	2.05		µg/Wipe	2.00		103	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	2.00		µg/Wipe	2.00		100	30-150			

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: B251070-BS1 Date(s) Analyzed: 01/31/2020 01/31/2020

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	0.87	
	2	0.000	0.000	0.000	0.90	3.4
Aroclor-1260	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.87	3.5

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: B251070-BSD1 Date(s) Analyzed: 01/31/2020 01/31/2020

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	0.88	
	2	0.000	0.000	0.000	0.90	2.3
Aroclor-1260	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.87	3.5

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: B251099-BS1 Date(s) Analyzed: 01/30/2020 01/30/2020

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	0.45	6.5
Aroclor-1260	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.44	4.4

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: B251099-BSD1 Date(s) Analyzed: 01/30/2020 01/30/2020

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	0.47	
	2	0.000	0.000	0.000	0.45	4.4
Aroclor-1260	1	0.000	0.000	0.000	0.46	
	2	0.000	0.000	0.000	0.44	4.4

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: B251128-BS1 Date(s) Analyzed: 01/30/2020 01/30/2020

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	0.56	
	2	0.000	0.000	0.000	0.50	11.3
Aroclor-1260	1	0.000	0.000	0.000	0.48	
	2	0.000	0.000	0.000	0.46	4.3

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: B251128-BSD1 Date(s) Analyzed: 01/30/2020 01/30/2020

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	0.51	
	2	0.000	0.000	0.000	0.46	10.3
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.42	4.7

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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Public Health	PH-0567	09/30/2021
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	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

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 TRC

Received By UR Date 1-29-2020 Time 1710

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 # 5 Actual Temp -4.5
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 Client T Analysis T Sampler Name T

pertinent Information? 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? 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	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: TRC Environmental Corporation - CT

Project Location: 510A Grand Ave., New Haven, CT

Project Number: 20A1276

Laboratory Sample ID(s):

20A1276-01 thru 20A1276-09

Sample Date(s):

01/29/2020

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:
Position: Technical Representative
Printed Name: Lisa A. Worthington
Date: 01/31/20
Name of Laboratory: Con-Test Analytical Laboratory

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

February 10, 2020

Carl Stopper
TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: 510A Grand Ave., New Haven, CT
Client Job Number:
Project Number: 263951.000028.000001
Laboratory Work Order Number: 20B0200

Enclosed are results of analyses for samples received by the laboratory on February 5, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Carl Stopper

REPORT DATE: 2/10/2020

PURCHASE ORDER NUMBER: 149347

PROJECT NUMBER: 263951.000028.000001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20B0200

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

PROJECT LOCATION: 510A Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TRC-AOC-1D-CO-05 (0-0.5")	20B0200-01	Concrete		SW-846 8082A	
TRC-AOC-1D-CO-06 (0-0.5")	20B0200-02	Concrete		SW-846 8082A	
TRC-AOC-1D-CO-06B (0-0.5")	20B0200-03	Concrete		SW-846 8082A	
TRC-AOC-1D-CO-07 (0-0.5")	20B0200-04	Concrete		SW-846 8082A	
TRC-AOC-1D-CO-08 (0-0.5")	20B0200-05	Concrete		SW-846 8082A	
TRC-AOC-1D-CO-09 (0-0.5")	20B0200-06	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-01 (0-0.5")	20B0200-07	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-02 (0-0.5")	20B0200-08	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-03 (0-0.5")	20B0200-09	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-04 (0-0.5")	20B0200-10	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-05 (0-0.5")	20B0200-11	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-06 (0-0.5")	20B0200-12	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-07 (0-0.5")	20B0200-13	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-08 (0-0.5")	20B0200-14	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-09 (0-0.5")	20B0200-15	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-10 (0-0.5")	20B0200-16	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-11 (0-0.5")	20B0200-17	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-12 (0-0.5")	20B0200-18	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-13 (0-0.5")	20B0200-19	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-14 (0-0.5")	20B0200-20	Concrete		SW-846 8082A	

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.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light pink rectangular background.

Lisa A. Worthington
Technical Representative

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1D-CO-05 (0-0.5") Sampled: 2/4/2020 11:30

Sample ID: 20B0200-01

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	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:08	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:08	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:08	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:08	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:08	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:08	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:08	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:08	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:08	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:08	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.3	30-150						2/7/20 12:08	
Decachlorobiphenyl [2]	93.9	30-150						2/7/20 12:08	
Tetrachloro-m-xylene [1]	88.0	30-150						2/7/20 12:08	
Tetrachloro-m-xylene [2]	83.3	30-150						2/7/20 12:08	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1D-CO-06 (0-0.5") Sampled: 2/4/2020 11:35

Sample ID: 20B0200-02

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	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:25	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:25	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:25	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:25	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:25	JMB
Aroclor-1254 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:25	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:25	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:25	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:25	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:25	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.4	30-150						2/7/20 12:25	
Decachlorobiphenyl [2]	79.8	30-150						2/7/20 12:25	
Tetrachloro-m-xylene [1]	73.8	30-150						2/7/20 12:25	
Tetrachloro-m-xylene [2]	70.2	30-150						2/7/20 12:25	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1D-CO-06B (0-0.5") Sampled: 2/4/2020 11:36

Sample ID: 20B0200-03

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	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:43	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:43	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:43	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:43	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:43	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:43	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:43	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:43	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:43	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 12:43	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.8	30-150						2/7/20 12:43	
Decachlorobiphenyl [2]	85.2	30-150						2/7/20 12:43	
Tetrachloro-m-xylene [1]	78.6	30-150						2/7/20 12:43	
Tetrachloro-m-xylene [2]	73.4	30-150						2/7/20 12:43	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1D-CO-07 (0-0.5") Sampled: 2/4/2020 11:40

Sample ID: 20B0200-04

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	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:01	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:01	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:01	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:01	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:01	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:01	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:01	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:01	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:01	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:01	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.9	30-150						2/7/20 13:01	
Decachlorobiphenyl [2]	82.7	30-150						2/7/20 13:01	
Tetrachloro-m-xylene [1]	81.7	30-150						2/7/20 13:01	
Tetrachloro-m-xylene [2]	74.8	30-150						2/7/20 13:01	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1D-CO-08 (0-0.5") Sampled: 2/4/2020 11:45

Sample ID: 20B0200-05

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	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:19	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:19	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:19	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:19	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:19	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:19	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:19	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:19	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:19	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.5	30-150						2/7/20 13:19	
Decachlorobiphenyl [2]	91.1	30-150						2/7/20 13:19	
Tetrachloro-m-xylene [1]	90.0	30-150						2/7/20 13:19	
Tetrachloro-m-xylene [2]	81.9	30-150						2/7/20 13:19	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1D-CO-09 (0-0.5") Sampled: 2/4/2020 11:50

Sample ID: 20B0200-06

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	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:37	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:37	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:37	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:37	JMB
Aroclor-1248 [1]	0.17	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:37	JMB
Aroclor-1254 [2]	0.23	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:37	JMB
Aroclor-1260 [1]	0.23	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:37	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:37	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:37	JMB
Total PCB Aroclors [1]	0.62		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:37	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	75.2	30-150						2/7/20 13:37	
Decachlorobiphenyl [2]	79.6	30-150						2/7/20 13:37	
Tetrachloro-m-xylene [1]	85.9	30-150						2/7/20 13:37	
Tetrachloro-m-xylene [2]	81.3	30-150						2/7/20 13:37	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-01 (0-0.5") Sampled: 2/4/2020 11:55

Sample ID: 20B0200-07

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	2/5/20	2/7/20 13:55	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:55	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:55	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:55	JMB
Aroclor-1248 [1]	0.22	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:55	JMB
Aroclor-1254 [2]	0.21	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:55	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:55	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:55	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:55	JMB
Total PCB Aroclors [1]	0.44		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 13:55	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	72.2	30-150						2/7/20 13:55	
Decachlorobiphenyl [2]	68.0	30-150						2/7/20 13:55	
Tetrachloro-m-xylene [1]	76.2	30-150						2/7/20 13:55	
Tetrachloro-m-xylene [2]	67.9	30-150						2/7/20 13:55	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-02 (0-0.5") Sampled: 2/4/2020 12:00

Sample ID: 20B0200-08

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	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:12	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:12	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:12	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:12	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:12	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:12	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:12	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:12	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:12	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:12	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	77.9	30-150						2/7/20 14:12	
Decachlorobiphenyl [2]	78.5	30-150						2/7/20 14:12	
Tetrachloro-m-xylene [1]	89.8	30-150						2/7/20 14:12	
Tetrachloro-m-xylene [2]	77.1	30-150						2/7/20 14:12	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-03 (0-0.5") Sampled: 2/4/2020 12:05

Sample ID: 20B0200-09

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	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:30	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:30	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:30	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:30	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:30	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:30	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:30	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:30	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:30	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:30	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.6	30-150						2/7/20 14:30	
Decachlorobiphenyl [2]	87.5	30-150						2/7/20 14:30	
Tetrachloro-m-xylene [1]	85.2	30-150						2/7/20 14:30	
Tetrachloro-m-xylene [2]	73.3	30-150						2/7/20 14:30	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-04 (0-0.5") Sampled: 2/4/2020 12:10

Sample ID: 20B0200-10

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	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:48	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:48	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:48	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:48	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:48	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:48	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:48	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:48	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:48	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 14:48	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	84.1	30-150						2/7/20 14:48	
Decachlorobiphenyl [2]	88.6	30-150						2/7/20 14:48	
Tetrachloro-m-xylene [1]	88.5	30-150						2/7/20 14:48	
Tetrachloro-m-xylene [2]	76.4	30-150						2/7/20 14:48	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-05 (0-0.5") Sampled: 2/4/2020 12:15

Sample ID: 20B0200-11

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	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:19	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:19	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:19	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:19	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:19	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:19	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:19	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:19	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:19	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.1	30-150						2/7/20 16:19	
Decachlorobiphenyl [2]	88.9	30-150						2/7/20 16:19	
Tetrachloro-m-xylene [1]	80.2	30-150						2/7/20 16:19	
Tetrachloro-m-xylene [2]	76.5	30-150						2/7/20 16:19	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-06 (0-0.5") Sampled: 2/4/2020 12:20

Sample ID: 20B0200-12

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	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:37	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:37	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:37	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:37	JMB
Aroclor-1248 [1]	0.10	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:37	JMB
Aroclor-1254 [2]	0.16	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:37	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:37	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:37	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:37	JMB
Total PCB Aroclors [1]	0.27		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:37	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	70.1	30-150						2/7/20 16:37	
Decachlorobiphenyl [2]	82.9	30-150						2/7/20 16:37	
Tetrachloro-m-xylene [1]	74.6	30-150						2/7/20 16:37	
Tetrachloro-m-xylene [2]	71.7	30-150						2/7/20 16:37	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-07 (0-0.5") Sampled: 2/4/2020 12:25

Sample ID: 20B0200-13

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	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:55	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:55	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:55	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:55	JMB
Aroclor-1248 [1]	0.14	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:55	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:55	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:55	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:55	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:55	JMB
Total PCB Aroclors [1]	0.14		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:55	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	73.0	30-150						2/7/20 16:55	
Decachlorobiphenyl [2]	77.5	30-150						2/7/20 16:55	
Tetrachloro-m-xylene [1]	78.3	30-150						2/7/20 16:55	
Tetrachloro-m-xylene [2]	75.5	30-150						2/7/20 16:55	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-08 (0-0.5") Sampled: 2/4/2020 12:30

Sample ID: 20B0200-14

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	0.099	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:13	JMB
Aroclor-1221 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:13	JMB
Aroclor-1232 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:13	JMB
Aroclor-1242 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:13	JMB
Aroclor-1248 [1]	0.15	0.099	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:13	JMB
Aroclor-1254 [2]	0.12	0.099	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:13	JMB
Aroclor-1260 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:13	JMB
Aroclor-1262 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:13	JMB
Aroclor-1268 [1]	ND	0.099	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:13	JMB
Total PCB Aroclors [1]	0.28		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:13	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	71.7	30-150						2/7/20 17:13	
Decachlorobiphenyl [2]	76.5	30-150						2/7/20 17:13	
Tetrachloro-m-xylene [1]	82.2	30-150						2/7/20 17:13	
Tetrachloro-m-xylene [2]	73.8	30-150						2/7/20 17:13	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-09 (0-0.5") Sampled: 2/4/2020 12:35

Sample ID: 20B0200-15

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	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:30	JMB
Aroclor-1221 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:30	JMB
Aroclor-1232 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:30	JMB
Aroclor-1242 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:30	JMB
Aroclor-1248 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:30	JMB
Aroclor-1254 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:30	JMB
Aroclor-1260 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:30	JMB
Aroclor-1262 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:30	JMB
Aroclor-1268 [1]	ND	0.093	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:30	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:30	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.5	30-150						2/7/20 17:30	
Decachlorobiphenyl [2]	76.8	30-150						2/7/20 17:30	
Tetrachloro-m-xylene [1]	81.1	30-150						2/7/20 17:30	
Tetrachloro-m-xylene [2]	71.5	30-150						2/7/20 17:30	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-10 (0-0.5") Sampled: 2/4/2020 12:40

Sample ID: 20B0200-16

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	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:48	JMB
Aroclor-1221 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:48	JMB
Aroclor-1232 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:48	JMB
Aroclor-1242 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:48	JMB
Aroclor-1248 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:48	JMB
Aroclor-1254 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:48	JMB
Aroclor-1260 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:48	JMB
Aroclor-1262 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:48	JMB
Aroclor-1268 [1]	ND	0.10	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:48	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:48	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.6	30-150						2/7/20 17:48	
Decachlorobiphenyl [2]	81.6	30-150						2/7/20 17:48	
Tetrachloro-m-xylene [1]	81.5	30-150						2/7/20 17:48	
Tetrachloro-m-xylene [2]	74.3	30-150						2/7/20 17:48	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-11 (0-0.5") Sampled: 2/4/2020 12:45

Sample ID: 20B0200-17

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	0.086	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:06	JMB
Aroclor-1221 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:06	JMB
Aroclor-1232 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:06	JMB
Aroclor-1242 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:06	JMB
Aroclor-1248 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:06	JMB
Aroclor-1254 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:06	JMB
Aroclor-1260 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:06	JMB
Aroclor-1262 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:06	JMB
Aroclor-1268 [1]	ND	0.086	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:06	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:06	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	78.0	30-150						2/7/20 18:06	
Decachlorobiphenyl [2]	77.7	30-150						2/7/20 18:06	
Tetrachloro-m-xylene [1]	79.6	30-150						2/7/20 18:06	
Tetrachloro-m-xylene [2]	71.5	30-150						2/7/20 18:06	

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Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-12 (0-0.5")

Sampled: 2/4/2020 12:50

Sample ID: 20B0200-18

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	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:24	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:24	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:24	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:24	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:24	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:24	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:24	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:24	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:24	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:24	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	85.1	30-150						2/7/20 18:24	
Decachlorobiphenyl [2]	87.2	30-150						2/7/20 18:24	
Tetrachloro-m-xylene [1]	82.6	30-150						2/7/20 18:24	
Tetrachloro-m-xylene [2]	78.0	30-150						2/7/20 18:24	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-13 (0-0.5") Sampled: 2/4/2020 12:55

Sample ID: 20B0200-19

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	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:42	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:42	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:42	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:42	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:42	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:42	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:42	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:42	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:42	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:42	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	81.0	30-150						2/7/20 18:42	
Decachlorobiphenyl [2]	84.5	30-150						2/7/20 18:42	
Tetrachloro-m-xylene [1]	79.5	30-150						2/7/20 18:42	
Tetrachloro-m-xylene [2]	73.9	30-150						2/7/20 18:42	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0200

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-14 (0-0.5") Sampled: 2/4/2020 13:00

Sample ID: 20B0200-20

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	0.090	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:59	JMB
Aroclor-1221 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:59	JMB
Aroclor-1232 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:59	JMB
Aroclor-1242 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:59	JMB
Aroclor-1248 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:59	JMB
Aroclor-1254 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:59	JMB
Aroclor-1260 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:59	JMB
Aroclor-1262 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:59	JMB
Aroclor-1268 [1]	ND	0.090	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:59	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:59	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	74.6	30-150						2/7/20 18:59	
Decachlorobiphenyl [2]	81.8	30-150						2/7/20 18:59	
Tetrachloro-m-xylene [1]	80.0	30-150						2/7/20 18:59	
Tetrachloro-m-xylene [2]	78.8	30-150						2/7/20 18:59	

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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
20B0200-01 [TRC-AOC-1D-CO-05 (0-0.5")]	B251656	2.10	10.0	02/05/20
20B0200-02 [TRC-AOC-1D-CO-06 (0-0.5")]	B251656	2.12	10.0	02/05/20
20B0200-03 [TRC-AOC-1D-CO-06B (0-0.5")]	B251656	2.06	10.0	02/05/20
20B0200-04 [TRC-AOC-1D-CO-07 (0-0.5")]	B251656	2.01	10.0	02/05/20
20B0200-05 [TRC-AOC-1D-CO-08 (0-0.5")]	B251656	2.06	10.0	02/05/20
20B0200-06 [TRC-AOC-1D-CO-09 (0-0.5")]	B251656	2.16	10.0	02/05/20
20B0200-07 [TRC-AOC-1E-CO-01 (0-0.5")]	B251656	2.13	10.0	02/05/20
20B0200-08 [TRC-AOC-1E-CO-02 (0-0.5")]	B251656	2.16	10.0	02/05/20
20B0200-09 [TRC-AOC-1E-CO-03 (0-0.5")]	B251656	2.05	10.0	02/05/20
20B0200-10 [TRC-AOC-1E-CO-04 (0-0.5")]	B251656	2.04	10.0	02/05/20
20B0200-11 [TRC-AOC-1E-CO-05 (0-0.5")]	B251656	2.01	10.0	02/05/20
20B0200-12 [TRC-AOC-1E-CO-06 (0-0.5")]	B251656	2.15	10.0	02/05/20
20B0200-13 [TRC-AOC-1E-CO-07 (0-0.5")]	B251656	2.06	10.0	02/05/20
20B0200-14 [TRC-AOC-1E-CO-08 (0-0.5")]	B251656	2.02	10.0	02/05/20
20B0200-15 [TRC-AOC-1E-CO-09 (0-0.5")]	B251656	2.14	10.0	02/05/20
20B0200-16 [TRC-AOC-1E-CO-10 (0-0.5")]	B251656	2.00	10.0	02/05/20
20B0200-17 [TRC-AOC-1E-CO-11 (0-0.5")]	B251656	2.33	10.0	02/05/20
20B0200-18 [TRC-AOC-1E-CO-12 (0-0.5")]	B251656	2.07	10.0	02/05/20
20B0200-19 [TRC-AOC-1E-CO-13 (0-0.5")]	B251656	2.09	10.0	02/05/20
20B0200-20 [TRC-AOC-1E-CO-14 (0-0.5")]	B251656	2.23	10.0	02/05/20

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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
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Batch B251656 - SW-846 3540C
Blank (B251656-BLK1)

Prepared: 02/05/20 Analyzed: 02/07/20

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							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.898		mg/Kg	1.00		89.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.873		mg/Kg	1.00		87.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.836		mg/Kg	1.00		83.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.793		mg/Kg	1.00		79.3	30-150			

LCS (B251656-BS1)

Prepared: 02/05/20 Analyzed: 02/07/20

Aroclor-1016	0.86	0.10	mg/Kg	1.00		86.3	40-140			
Aroclor-1016 [2C]	0.80	0.10	mg/Kg	1.00		79.7	40-140			
Aroclor-1260	0.86	0.10	mg/Kg	1.00		85.6	40-140			
Aroclor-1260 [2C]	0.82	0.10	mg/Kg	1.00		82.2	40-140			
Surrogate: Decachlorobiphenyl	0.906		mg/Kg	1.00		90.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.882		mg/Kg	1.00		88.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.843		mg/Kg	1.00		84.3	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.776		mg/Kg	1.00		77.6	30-150			

LCS Dup (B251656-BSD1)

Prepared: 02/05/20 Analyzed: 02/07/20

Aroclor-1016	0.87	0.10	mg/Kg	1.00		87.1	40-140	0.963	30	
Aroclor-1016 [2C]	0.82	0.10	mg/Kg	1.00		81.7	40-140	2.48	30	
Aroclor-1260	0.86	0.10	mg/Kg	1.00		86.1	40-140	0.630	30	
Aroclor-1260 [2C]	0.83	0.10	mg/Kg	1.00		82.6	40-140	0.483	30	
Surrogate: Decachlorobiphenyl	0.886		mg/Kg	1.00		88.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.877		mg/Kg	1.00		87.7	30-150			
Surrogate: Tetrachloro-m-xylene	0.848		mg/Kg	1.00		84.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.778		mg/Kg	1.00		77.8	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
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Batch B251656 - SW-846 3540C

Matrix Spike (B251656-MS1)

Source: 20B0200-06

Prepared: 02/05/20 Analyzed: 02/07/20

Aroclor-1016	0.78	0.092	mg/Kg	0.922	ND	84.2	40-140			
Aroclor-1016 [2C]	0.68	0.092	mg/Kg	0.922	ND	74.0	40-140			
Aroclor-1260	0.75	0.092	mg/Kg	0.922	0.23	56.5	40-140			
Aroclor-1260 [2C]	0.71	0.092	mg/Kg	0.922	0.21	54.8	40-140			
Surrogate: Decachlorobiphenyl	0.662		mg/Kg	0.922		71.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.647		mg/Kg	0.922		70.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.770		mg/Kg	0.922		83.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.657		mg/Kg	0.922		71.3	30-150			

Matrix Spike Dup (B251656-MSD1)

Source: 20B0200-06

Prepared: 02/05/20 Analyzed: 02/07/20

Aroclor-1016	0.82	0.091	mg/Kg	0.913	ND	90.2	40-140	5.94	50	
Aroclor-1016 [2C]	0.73	0.091	mg/Kg	0.913	ND	79.9	40-140	6.68	50	
Aroclor-1260	0.80	0.091	mg/Kg	0.913	0.23	63.2	40-140	7.20	50	
Aroclor-1260 [2C]	0.76	0.091	mg/Kg	0.913	0.21	60.1	40-140	5.93	50	
Surrogate: Decachlorobiphenyl	0.707		mg/Kg	0.913		77.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.696		mg/Kg	0.913		76.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.835		mg/Kg	0.913		91.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.711		mg/Kg	0.913		77.8	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

TRC-AOC-1D-CO-09 (0-0.5")

Lab Sample ID: 20B0200-06 Date(s) Analyzed: 02/07/2020 02/07/2020
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.15	12.5
Aroclor-1254	1	0.000	0.000	0.000	0.20	
	2	0.000	0.000	0.000	0.23	14.0
Aroclor-1260	1	0.000	0.000	0.000	0.23	
	2	0.000	0.000	0.000	0.21	9.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

TRC-AOC-1E-CO-01 (0-0.5")

Lab Sample ID: 20B0200-07 Date(s) Analyzed: 02/07/2020 02/07/2020

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.22	
	2	0.000	0.000	0.000	0.21	9.1
Aroclor-1254	1	0.000	0.000	0.000	0.17	
	2	0.000	0.000	0.000	0.21	21.1

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

TRC-AOC-1E-CO-06 (0-0.5")

Lab Sample ID: 20B0200-12 Date(s) Analyzed: 02/07/2020 02/07/2020

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.10	
	2	0.000	0.000	0.000	0.098	2.0
Aroclor-1254	1	0.000	0.000	0.000	0.13	
	2	0.000	0.000	0.000	0.16	20.7

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***TRC-AOC-1E-CO-07 (0-0.5")**

Lab Sample ID: 20B0200-13 Date(s) Analyzed: 02/07/2020 02/07/2020
Instrument ID (1): ECD4 Instrument ID (2): ECD4
GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.14	
	2	0.000	0.000	0.000	0.13	14.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

TRC-AOC-1E-CO-08 (0-0.5")

Lab Sample ID: 20B0200-14 Date(s) Analyzed: 02/07/2020 02/07/2020

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%RPD
			FROM	TO		
Aroclor-1248	1	0.000	0.000	0.000	0.15	
	2	0.000	0.000	0.000	0.13	20.7
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

LCS

Lab Sample ID: B251656-BS1 Date(s) Analyzed: 02/07/2020 02/07/2020

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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	0.86	
	2	0.000	0.000	0.000	0.80	7.2
Aroclor-1260	1	0.000	0.000	0.000	0.86	
	2	0.000	0.000	0.000	0.82	4.8

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***LCS Dup**

Lab Sample ID: B251656-BSD1 Date(s) Analyzed: 02/07/2020 02/07/2020
Instrument ID (1): ECD4 Instrument ID (2): ECD4
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	0.87	
	2	0.000	0.000	0.000	0.82	5.9
Aroclor-1260	1	0.000	0.000	0.000	0.86	
	2	0.000	0.000	0.000	0.83	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A
Matrix Spike

Lab Sample ID: B251656-MS1 Date(s) Analyzed: 02/07/2020 02/07/2020

Instrument ID (1): ECD4 Instrument ID (2): ECD4

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	0.68	13.7
Aroclor-1260	1	0.000	0.000	0.000	0.75	
	2	0.000	0.000	0.000	0.71	5.5

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B251656-MSD1 Date(s) Analyzed: 02/07/2020 02/07/2020
Instrument ID (1): ECD4 Instrument ID (2): ECD4
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	0.82	
	2	0.000	0.000	0.000	0.73	11.6
Aroclor-1260	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.76	5.1

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FLAG/QUALIFIER SUMMARY

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

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA
<i>SW-846 8082A in Soil</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Public Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2021
RI	Rhode Island Department of Health	LAO00112	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

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 TRC
Received By SA Date 2/5 Time 1720

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 # 5 Actual Temp -4.1
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 Client T Analysis T Sampler Name T
pertinent Information? 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? NA MS/MSD? F SA T
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
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: TRC Environmental Corporation - CT

Project Location: 510A Grand Ave., New Haven, CT

Project Number: 20B0200

Laboratory Sample ID(s):

20B0200-01 thru 20B0200-20

Sample Date(s):

02/04/2020

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:
Position: Technical Representative
Printed Name: Lisa A. Worthington
Date: 02/10/20
Name of Laboratory: Con-Test Analytical Laboratory

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

February 10, 2020

Carl Stopper
TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: 510A Grand Ave., New Haven, CT
Client Job Number:
Project Number: 263951.000028.000001
Laboratory Work Order Number: 20B0201

Enclosed are results of analyses for samples received by the laboratory on February 5, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Carl Stopper

REPORT DATE: 2/10/2020

PURCHASE ORDER NUMBER: 149347

PROJECT NUMBER: 263951.000028.000001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20B0201

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

PROJECT LOCATION: 510A Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TRC-AOC-1E-CO-15 (0-0.5")	20B0201-01	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-16 (0-0.5")	20B0201-02	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-17 (0-0.5")	20B0201-03	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-18 (0-0.5")	20B0201-04	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-19 (0-0.5")	20B0201-05	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-20 (0-0.5")	20B0201-06	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-21 (0-0.5")	20B0201-07	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-22 (0-0.5")	20B0201-08	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-22B (0-0.5")	20B0201-09	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-23 (0-0.5")	20B0201-10	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-24 (0-0.5")	20B0201-11	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-25 (0-0.5")	20B0201-12	Concrete		SW-846 8082A	
TRC-AOC-1E-CO-26 (0-0.5")	20B0201-13	Concrete		SW-846 8082A	
EB020420-CO	20B0201-14	Equipment Blank Water		SW-846 8082A	

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CASE NARRATIVE SUMMARY

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

SW-846 8082A

Qualifications:

DL-03

Elevated reporting limit due to matrix interference.

Analyte & Samples(s) Qualified:

20B0201-10[TRC-AOC-1E-CO-23 (0-0.5")]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa A. Worthington", is written over a light gray rectangular background.

Lisa A. Worthington
Technical Representative

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-15 (0-0.5") Sampled: 2/4/2020 13:05

Sample ID: 20B0201-01

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	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 15:46	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 15:46	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 15:46	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 15:46	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 15:46	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 15:46	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 15:46	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 15:46	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 15:46	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 15:46	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	95.3	30-150						2/7/20 15:46	
Decachlorobiphenyl [2]	98.5	30-150						2/7/20 15:46	
Tetrachloro-m-xylene [1]	91.2	30-150						2/7/20 15:46	
Tetrachloro-m-xylene [2]	94.5	30-150						2/7/20 15:46	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-16 (0-0.5") Sampled: 2/4/2020 13:10

Sample ID: 20B0201-02

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	2/5/20	2/7/20 16:04	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:04	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:04	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:04	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:04	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:04	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:04	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:04	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:04	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:04	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	88.3	30-150						2/7/20 16:04	
Decachlorobiphenyl [2]	91.2	30-150						2/7/20 16:04	
Tetrachloro-m-xylene [1]	85.8	30-150						2/7/20 16:04	
Tetrachloro-m-xylene [2]	88.9	30-150						2/7/20 16:04	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-17 (0-0.5") Sampled: 2/4/2020 13:15

Sample ID: 20B0201-03

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	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:22	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:22	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:22	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:22	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:22	JMB
Aroclor-1254 [2]	0.15	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:22	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:22	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:22	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:22	JMB
Total PCB Aroclors [1]	0.15		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:22	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	89.3	30-150						2/7/20 16:22	
Decachlorobiphenyl [2]	93.5	30-150						2/7/20 16:22	
Tetrachloro-m-xylene [1]	90.1	30-150						2/7/20 16:22	
Tetrachloro-m-xylene [2]	93.4	30-150						2/7/20 16:22	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-18 (0-0.5") Sampled: 2/4/2020 13:20

Sample ID: 20B0201-04

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	2/5/20	2/7/20 16:39	JMB
Aroclor-1221 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:39	JMB
Aroclor-1232 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:39	JMB
Aroclor-1242 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:39	JMB
Aroclor-1248 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:39	JMB
Aroclor-1254 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:39	JMB
Aroclor-1260 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:39	JMB
Aroclor-1262 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:39	JMB
Aroclor-1268 [1]	ND	0.096	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:39	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:39	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.4	30-150						2/7/20 16:39	
Decachlorobiphenyl [2]	85.6	30-150						2/7/20 16:39	
Tetrachloro-m-xylene [1]	89.4	30-150						2/7/20 16:39	
Tetrachloro-m-xylene [2]	93.1	30-150						2/7/20 16:39	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-19 (0-0.5") Sampled: 2/4/2020 13:25

Sample ID: 20B0201-05

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	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:57	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:57	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:57	JMB
Aroclor-1242 [2]	0.16	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:57	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:57	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:57	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:57	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:57	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:57	JMB
Total PCB Aroclors [1]	0.16		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 16:57	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	76.9	30-150						2/7/20 16:57	
Decachlorobiphenyl [2]	77.8	30-150						2/7/20 16:57	
Tetrachloro-m-xylene [1]	81.8	30-150						2/7/20 16:57	
Tetrachloro-m-xylene [2]	84.7	30-150						2/7/20 16:57	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-20 (0-0.5") Sampled: 2/4/2020 13:30

Sample ID: 20B0201-06

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	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:14	JMB
Aroclor-1221 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:14	JMB
Aroclor-1232 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:14	JMB
Aroclor-1242 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:14	JMB
Aroclor-1248 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:14	JMB
Aroclor-1254 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:14	JMB
Aroclor-1260 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:14	JMB
Aroclor-1262 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:14	JMB
Aroclor-1268 [1]	ND	0.097	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:14	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 17:14	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	92.1	30-150						2/7/20 17:14	
Decachlorobiphenyl [2]	95.4	30-150						2/7/20 17:14	
Tetrachloro-m-xylene [1]	89.6	30-150						2/7/20 17:14	
Tetrachloro-m-xylene [2]	93.1	30-150						2/7/20 17:14	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-21 (0-0.5") Sampled: 2/4/2020 13:35

Sample ID: 20B0201-07

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	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:25	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:25	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:25	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:25	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:25	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:25	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:25	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:25	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:25	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:25	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	91.2	30-150						2/7/20 18:25	
Decachlorobiphenyl [2]	94.1	30-150						2/7/20 18:25	
Tetrachloro-m-xylene [1]	78.4	30-150						2/7/20 18:25	
Tetrachloro-m-xylene [2]	81.3	30-150						2/7/20 18:25	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-22 (0-0.5") Sampled: 2/4/2020 13:40

Sample ID: 20B0201-08

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	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:37	JMB
Aroclor-1221 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:37	JMB
Aroclor-1232 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:37	JMB
Aroclor-1242 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:37	JMB
Aroclor-1248 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:37	JMB
Aroclor-1254 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:37	JMB
Aroclor-1260 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:37	JMB
Aroclor-1262 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:37	JMB
Aroclor-1268 [1]	ND	0.092	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:37	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:37	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.2	30-150						2/7/20 18:37	
Decachlorobiphenyl [2]	89.5	30-150						2/7/20 18:37	
Tetrachloro-m-xylene [1]	83.6	30-150						2/7/20 18:37	
Tetrachloro-m-xylene [2]	87.3	30-150						2/7/20 18:37	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-22B (0-0.5") Sampled: 2/4/2020 13:41

Sample ID: 20B0201-09

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	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:56	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:56	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:56	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:56	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:56	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:56	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:56	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:56	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:56	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 18:56	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	96.8	30-150						2/7/20 18:56	
Decachlorobiphenyl [2]	101	30-150						2/7/20 18:56	
Tetrachloro-m-xylene [1]	91.2	30-150						2/7/20 18:56	
Tetrachloro-m-xylene [2]	95.4	30-150						2/7/20 18:56	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-23 (0-0.5") Sampled: 2/4/2020 13:45

Sample ID: 20B0201-10

Sample Matrix: Concrete

Sample Flags: DL-03

Polychlorinated Biphenyls with 3540 Soxhlet Extraction

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	2/5/20	2/7/20 19:26	JMB
Aroclor-1221 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	2/5/20	2/7/20 19:26	JMB
Aroclor-1232 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	2/5/20	2/7/20 19:26	JMB
Aroclor-1242 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	2/5/20	2/7/20 19:26	JMB
Aroclor-1248 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	2/5/20	2/7/20 19:26	JMB
Aroclor-1254 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	2/5/20	2/7/20 19:26	JMB
Aroclor-1260 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	2/5/20	2/7/20 19:26	JMB
Aroclor-1262 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	2/5/20	2/7/20 19:26	JMB
Aroclor-1268 [1]	ND	0.50	mg/Kg	5		SW-846 8082A	2/5/20	2/7/20 19:26	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	5		SW-846 8082A	2/5/20	2/7/20 19:26	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	86.1	30-150						2/7/20 19:26	
Decachlorobiphenyl [2]	90.1	30-150						2/7/20 19:26	
Tetrachloro-m-xylene [1]	89.2	30-150						2/7/20 19:26	
Tetrachloro-m-xylene [2]	92.3	30-150						2/7/20 19:26	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-24 (0-0.5") Sampled: 2/4/2020 13:50

Sample ID: 20B0201-11

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	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 19:44	JMB
Aroclor-1221 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 19:44	JMB
Aroclor-1232 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 19:44	JMB
Aroclor-1242 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 19:44	JMB
Aroclor-1248 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 19:44	JMB
Aroclor-1254 [1]	0.12	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 19:44	JMB
Aroclor-1260 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 19:44	JMB
Aroclor-1262 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 19:44	JMB
Aroclor-1268 [1]	ND	0.094	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 19:44	JMB
Total PCB Aroclors [1]	0.12		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 19:44	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	82.4	30-150						2/7/20 19:44	
Decachlorobiphenyl [2]	88.4	30-150						2/7/20 19:44	
Tetrachloro-m-xylene [1]	86.5	30-150						2/7/20 19:44	
Tetrachloro-m-xylene [2]	88.2	30-150						2/7/20 19:44	

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Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-25 (0-0.5") Sampled: 2/4/2020 13:55

Sample ID: 20B0201-12

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	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:01	JMB
Aroclor-1221 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:01	JMB
Aroclor-1232 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:01	JMB
Aroclor-1242 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:01	JMB
Aroclor-1248 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:01	JMB
Aroclor-1254 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:01	JMB
Aroclor-1260 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:01	JMB
Aroclor-1262 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:01	JMB
Aroclor-1268 [1]	ND	0.095	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:01	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:01	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	80.6	30-150						2/7/20 20:01	
Decachlorobiphenyl [2]	86.3	30-150						2/7/20 20:01	
Tetrachloro-m-xylene [1]	86.7	30-150						2/7/20 20:01	
Tetrachloro-m-xylene [2]	90.3	30-150						2/7/20 20:01	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: TRC-AOC-1E-CO-26 (0-0.5") Sampled: 2/4/2020 14:00

Sample ID: 20B0201-13

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	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:19	JMB
Aroclor-1221 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:19	JMB
Aroclor-1232 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:19	JMB
Aroclor-1242 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:19	JMB
Aroclor-1248 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:19	JMB
Aroclor-1254 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:19	JMB
Aroclor-1260 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:19	JMB
Aroclor-1262 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:19	JMB
Aroclor-1268 [1]	ND	0.098	mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:19	JMB
Total PCB Aroclors [1]	0.0		mg/Kg	1		SW-846 8082A	2/5/20	2/7/20 20:19	JMB
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	83.3	30-150						2/7/20 20:19	
Decachlorobiphenyl [2]	91.0	30-150						2/7/20 20:19	
Tetrachloro-m-xylene [1]	90.0	30-150						2/7/20 20:19	
Tetrachloro-m-xylene [2]	94.7	30-150						2/7/20 20:19	

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

Project Location: 510A Grand Ave., New Haven, CT Sample Description:

Work Order: 20B0201

Date Received: 2/5/2020

Field Sample #: EB020420-CO

Sampled: 2/4/2020 15:45

Sample ID: 20B0201-14

Sample Matrix: Equipment Blank Water

Polychlorinated Biphenyls By GC/ECD

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Aroclor-1016 [1]	ND	0.22	µg/L	1		SW-846 8082A	2/5/20	2/7/20 12:49	TG
Aroclor-1221 [1]	ND	0.22	µg/L	1		SW-846 8082A	2/5/20	2/7/20 12:49	TG
Aroclor-1232 [1]	ND	0.22	µg/L	1		SW-846 8082A	2/5/20	2/7/20 12:49	TG
Aroclor-1242 [1]	ND	0.22	µg/L	1		SW-846 8082A	2/5/20	2/7/20 12:49	TG
Aroclor-1248 [1]	ND	0.22	µg/L	1		SW-846 8082A	2/5/20	2/7/20 12:49	TG
Aroclor-1254 [1]	ND	0.22	µg/L	1		SW-846 8082A	2/5/20	2/7/20 12:49	TG
Aroclor-1260 [1]	ND	0.22	µg/L	1		SW-846 8082A	2/5/20	2/7/20 12:49	TG
Aroclor-1262 [1]	ND	0.22	µg/L	1		SW-846 8082A	2/5/20	2/7/20 12:49	TG
Aroclor-1268 [1]	ND	0.22	µg/L	1		SW-846 8082A	2/5/20	2/7/20 12:49	TG
Total PCB Aroclors [1]	0.0		µg/L	1		SW-846 8082A	2/5/20	2/7/20 12:49	TG
Surrogates	% Recovery	Recovery Limits	Flag/Qual						
Decachlorobiphenyl [1]	64.0	30-150						2/7/20 12:49	
Decachlorobiphenyl [2]	64.4	30-150						2/7/20 12:49	
Tetrachloro-m-xylene [1]	66.6	30-150						2/7/20 12:49	
Tetrachloro-m-xylene [2]	67.6	30-150						2/7/20 12:49	

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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
20B0201-01 [TRC-AOC-1E-CO-15 (0-0.5")]	B251657	2.06	10.0	02/05/20
20B0201-02 [TRC-AOC-1E-CO-16 (0-0.5")]	B251657	2.08	10.0	02/05/20
20B0201-03 [TRC-AOC-1E-CO-17 (0-0.5")]	B251657	2.07	10.0	02/05/20
20B0201-04 [TRC-AOC-1E-CO-18 (0-0.5")]	B251657	2.08	10.0	02/05/20
20B0201-05 [TRC-AOC-1E-CO-19 (0-0.5")]	B251657	2.04	10.0	02/05/20
20B0201-06 [TRC-AOC-1E-CO-20 (0-0.5")]	B251657	2.06	10.0	02/05/20
20B0201-07 [TRC-AOC-1E-CO-21 (0-0.5")]	B251657	2.18	10.0	02/05/20
20B0201-08 [TRC-AOC-1E-CO-22 (0-0.5")]	B251657	2.17	10.0	02/05/20
20B0201-09 [TRC-AOC-1E-CO-22B (0-0.5")]	B251657	2.04	10.0	02/05/20
20B0201-10 [TRC-AOC-1E-CO-23 (0-0.5")]	B251657	2.02	10.0	02/05/20
20B0201-11 [TRC-AOC-1E-CO-24 (0-0.5")]	B251657	2.13	10.0	02/05/20
20B0201-12 [TRC-AOC-1E-CO-25 (0-0.5")]	B251657	2.10	10.0	02/05/20
20B0201-13 [TRC-AOC-1E-CO-26 (0-0.5")]	B251657	2.04	10.0	02/05/20

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

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20B0201-14 [EB020420-CO]	B251598	920	10.0	02/05/20

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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
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Batch B251598 - SW-846 3510C

Blank (B251598-BLK1)

Prepared: 02/05/20 Analyzed: 02/06/20

Aroclor-1016	ND	0.10	µg/L							
Aroclor-1016 [2C]	ND	0.10	µg/L							
Aroclor-1221	ND	0.10	µg/L							
Aroclor-1221 [2C]	ND	0.10	µg/L							
Aroclor-1232	ND	0.10	µg/L							
Aroclor-1232 [2C]	ND	0.10	µg/L							
Aroclor-1242	ND	0.10	µg/L							
Aroclor-1242 [2C]	ND	0.10	µg/L							
Aroclor-1248	ND	0.10	µg/L							
Aroclor-1248 [2C]	ND	0.10	µg/L							
Aroclor-1254	ND	0.10	µg/L							
Aroclor-1254 [2C]	ND	0.10	µg/L							
Aroclor-1260	ND	0.10	µg/L							
Aroclor-1260 [2C]	ND	0.10	µg/L							
Aroclor-1262	ND	0.10	µg/L							
Aroclor-1262 [2C]	ND	0.10	µg/L							
Aroclor-1268	ND	0.10	µg/L							
Aroclor-1268 [2C]	ND	0.10	µg/L							
Total PCB Aroclors	0.0		µg/L							
Surrogate: Decachlorobiphenyl	0.655		µg/L	1.00		65.5	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.632		µg/L	1.00		63.2	30-150			
Surrogate: Tetrachloro-m-xylene	0.680		µg/L	1.00		68.0	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.619		µg/L	1.00		61.9	30-150			

Blank (B251598-BLK2)

Prepared: 02/05/20 Analyzed: 02/06/20

Aroclor-1016	ND	0.21	µg/L							
Aroclor-1016 [2C]	ND	0.21	µg/L							
Aroclor-1221	ND	0.21	µg/L							
Aroclor-1221 [2C]	ND	0.21	µg/L							
Aroclor-1232	ND	0.21	µg/L							
Aroclor-1232 [2C]	ND	0.21	µg/L							
Aroclor-1242	ND	0.21	µg/L							
Aroclor-1242 [2C]	ND	0.21	µg/L							
Aroclor-1248	ND	0.21	µg/L							
Aroclor-1248 [2C]	ND	0.21	µg/L							
Aroclor-1254	ND	0.21	µg/L							
Aroclor-1254 [2C]	ND	0.21	µg/L							
Aroclor-1260	ND	0.21	µg/L							
Aroclor-1260 [2C]	ND	0.21	µg/L							
Aroclor-1262	ND	0.21	µg/L							
Aroclor-1262 [2C]	ND	0.21	µg/L							
Aroclor-1268	ND	0.21	µg/L							
Aroclor-1268 [2C]	ND	0.21	µg/L							
Total PCB Aroclors	0.0		µg/L							
Surrogate: Decachlorobiphenyl	1.41		µg/L	2.08		67.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.38		µg/L	2.08		66.4	30-150			
Surrogate: Tetrachloro-m-xylene	1.27		µg/L	2.08		61.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.16		µg/L	2.08		55.7	30-150			

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QUALITY CONTROL
Polychlorinated Biphenyls By GC/ECD - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B251598 - SW-846 3510C										
LCS (B251598-BS1)										
Prepared: 02/05/20 Analyzed: 02/06/20										
Aroclor-1016	0.45	0.20	µg/L	0.500		90.9	40-140			
Aroclor-1016 [2C]	0.44	0.20	µg/L	0.500		88.0	40-140			
Aroclor-1254	ND	0.20	µg/L				40-140			
Aroclor-1254 [2C]	ND	0.20	µg/L				40-140			
Aroclor-1260	0.42	0.20	µg/L	0.500		83.4	40-140			
Aroclor-1260 [2C]	0.41	0.20	µg/L	0.500		82.6	40-140			
Surrogate: Decachlorobiphenyl	1.55		µg/L	2.00		77.3	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.55		µg/L	2.00		77.5	30-150			
Surrogate: Tetrachloro-m-xylene	1.43		µg/L	2.00		71.6	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.35		µg/L	2.00		67.4	30-150			
LCS Dup (B251598-BS1)										
Prepared: 02/05/20 Analyzed: 02/06/20										
Aroclor-1016	0.48	0.20	µg/L	0.500		95.1	40-140	4.56	20	
Aroclor-1016 [2C]	0.45	0.20	µg/L	0.500		89.6	40-140	1.82	20	
Aroclor-1254	ND	0.20	µg/L				40-140	NC	20	
Aroclor-1254 [2C]	ND	0.20	µg/L				40-140	NC	20	
Aroclor-1260	0.44	0.20	µg/L	0.500		88.5	40-140	5.90	20	
Aroclor-1260 [2C]	0.42	0.20	µg/L	0.500		84.8	40-140	2.62	20	
Surrogate: Decachlorobiphenyl	1.64		µg/L	2.00		81.8	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.59		µg/L	2.00		79.7	30-150			
Surrogate: Tetrachloro-m-xylene	1.46		µg/L	2.00		73.1	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	1.38		µg/L	2.00		68.8	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
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Batch B251657 - SW-846 3540C
Blank (B251657-BLK1)

Prepared: 02/05/20 Analyzed: 02/07/20

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							
Total PCB Aroclors	0.0		mg/Kg							
Surrogate: Decachlorobiphenyl	0.974		mg/Kg	1.00		97.4	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.865		mg/Kg	1.00		86.5	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.893		mg/Kg	1.00		89.3	30-150			

LCS (B251657-BS1)

Prepared: 02/05/20 Analyzed: 02/07/20

Aroclor-1016	0.82	0.10	mg/Kg	1.00		82.4	40-140			
Aroclor-1016 [2C]	0.89	0.10	mg/Kg	1.00		89.5	40-140			
Aroclor-1260	0.81	0.10	mg/Kg	1.00		80.9	40-140			
Aroclor-1260 [2C]	0.84	0.10	mg/Kg	1.00		84.4	40-140			
Surrogate: Decachlorobiphenyl	0.937		mg/Kg	1.00		93.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.988		mg/Kg	1.00		98.8	30-150			
Surrogate: Tetrachloro-m-xylene	0.794		mg/Kg	1.00		79.4	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.820		mg/Kg	1.00		82.0	30-150			

LCS Dup (B251657-BSD1)

Prepared: 02/05/20 Analyzed: 02/07/20

Aroclor-1016	0.85	0.10	mg/Kg	1.00		85.4	40-140	3.62	30	
Aroclor-1016 [2C]	0.90	0.10	mg/Kg	1.00		90.5	40-140	1.11	30	
Aroclor-1260	0.84	0.10	mg/Kg	1.00		84.5	40-140	4.36	30	
Aroclor-1260 [2C]	0.88	0.10	mg/Kg	1.00		88.1	40-140	4.26	30	
Surrogate: Decachlorobiphenyl	0.966		mg/Kg	1.00		96.6	30-150			
Surrogate: Decachlorobiphenyl [2C]	1.02		mg/Kg	1.00		102	30-150			
Surrogate: Tetrachloro-m-xylene	0.817		mg/Kg	1.00		81.7	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.847		mg/Kg	1.00		84.7	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
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Batch B251657 - SW-846 3540C

Matrix Spike (B251657-MS1)

Source: 20B0201-07

Prepared: 02/05/20 Analyzed: 02/07/20

Aroclor-1016	0.77	0.097	mg/Kg	0.971	ND	79.6	40-140			
Aroclor-1016 [2C]	0.85	0.097	mg/Kg	0.971	ND	87.6	40-140			
Aroclor-1260	0.78	0.097	mg/Kg	0.971	ND	80.1	40-140			
Aroclor-1260 [2C]	0.79	0.097	mg/Kg	0.971	ND	81.8	40-140			
Surrogate: Decachlorobiphenyl	0.914		mg/Kg	0.971		94.1	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.952		mg/Kg	0.971		98.1	30-150			
Surrogate: Tetrachloro-m-xylene	0.794		mg/Kg	0.971		81.8	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.830		mg/Kg	0.971		85.5	30-150			

Matrix Spike Dup (B251657-MSD1)

Source: 20B0201-07

Prepared: 02/05/20 Analyzed: 02/07/20

Aroclor-1016	0.84	0.099	mg/Kg	0.985	ND	85.5	40-140	8.51	50	
Aroclor-1016 [2C]	0.90	0.099	mg/Kg	0.985	ND	91.8	40-140	6.08	50	
Aroclor-1260	0.80	0.099	mg/Kg	0.985	ND	81.2	40-140	2.80	50	
Aroclor-1260 [2C]	0.83	0.099	mg/Kg	0.985	ND	83.8	40-140	3.97	50	
Surrogate: Decachlorobiphenyl	0.942		mg/Kg	0.985		95.7	30-150			
Surrogate: Decachlorobiphenyl [2C]	0.978		mg/Kg	0.985		99.3	30-150			
Surrogate: Tetrachloro-m-xylene	0.849		mg/Kg	0.985		86.2	30-150			
Surrogate: Tetrachloro-m-xylene [2C]	0.883		mg/Kg	0.985		89.6	30-150			

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

TRC-AOC-1E-CO-17 (0-0.5")

Lab Sample ID: 20B0201-03 Date(s) Analyzed: 02/07/2020 02/07/2020
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	0.12	
	2	0.000	0.000	0.000	0.15	22.2

**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***TRC-AOC-1E-CO-19 (0-0.5")**

Lab Sample ID: 20B0201-05 Date(s) Analyzed: 02/07/2020 02/07/2020
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-1242	1	0.000	0.000	0.000	0.13	
	2	0.000	0.000	0.000	0.16	20.7

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***LCS**

Lab Sample ID: B251598-BS1 Date(s) Analyzed: 02/06/2020 02/06/2020
Instrument ID (1): ECD4 Instrument ID (2): ECD4
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	0.45	
	2	0.000	0.000	0.000	0.44	2.3
Aroclor-1260	1	0.000	0.000	0.000	0.42	
	2	0.000	0.000	0.000	0.41	2.4

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**IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES***SW-846 8082A***LCS Dup**

Lab Sample ID: B251598-BSD1 Date(s) Analyzed: 02/06/2020 02/06/2020
Instrument ID (1): ECD4 Instrument ID (2): ECD4
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	0.45	6.5
Aroclor-1260	1	0.000	0.000	0.000	0.44	
	2	0.000	0.000	0.000	0.42	4.7

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: B251657-BS1 Date(s) Analyzed: 02/07/2020 02/07/2020

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	0.82	
	2	0.000	0.000	0.000	0.89	8.2
Aroclor-1260	1	0.000	0.000	0.000	0.81	
	2	0.000	0.000	0.000	0.84	3.6

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

LCS Dup

Lab Sample ID: B251657-BSD1 Date(s) Analyzed: 02/07/2020 02/07/2020

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	0.85	
	2	0.000	0.000	0.000	0.90	5.7
Aroclor-1260	1	0.000	0.000	0.000	0.84	
	2	0.000	0.000	0.000	0.88	3.5

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

IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A
Matrix Spike

Lab Sample ID: B251657-MS1 Date(s) Analyzed: 02/07/2020 02/07/2020

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	0.77	
	2	0.000	0.000	0.000	0.85	9.9
Aroclor-1260	1	0.000	0.000	0.000	0.78	
	2	0.000	0.000	0.000	0.79	1.3

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IDENTIFICATION SUMMARY FOR SINGLE COMPONENT ANALYTES

SW-846 8082A

Matrix Spike Dup

Lab Sample ID: B251657-MSD1 Date(s) Analyzed: 02/07/2020 02/07/2020

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	0.84	
	2	0.000	0.000	0.000	0.90	6.9
Aroclor-1260	1	0.000	0.000	0.000	0.80	
	2	0.000	0.000	0.000	0.83	3.7

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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.
DL-03	Elevated reporting limit due to matrix interference.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>SW-846 8082A in Product/Solid</i>	
Aroclor-1016	CT,NH,NY,ME,NC,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221	CT,NH,NY,ME,NC,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232	CT,NH,NY,ME,NC,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242	CT,NH,NY,ME,NC,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248	CT,NH,NY,ME,NC,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254	CT,NH,NY,ME,NC,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260	CT,NH,NY,ME,NC,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,ME,NC,VA,PA
Aroclor-1262	NY,NC,VA,PA
Aroclor-1262 [2C]	NY,NC,VA,PA
Aroclor-1268	NY,NC,VA,PA
Aroclor-1268 [2C]	NY,NC,VA,PA
<i>SW-846 8082A in Water</i>	
Aroclor-1016	CT,NH,NY,NC,ME,VA,PA
Aroclor-1016 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221	CT,NH,NY,NC,ME,VA,PA
Aroclor-1221 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232	CT,NH,NY,NC,ME,VA,PA
Aroclor-1232 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242	CT,NH,NY,NC,ME,VA,PA
Aroclor-1242 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248	CT,NH,NY,NC,ME,VA,PA
Aroclor-1248 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254	CT,NH,NY,NC,ME,VA,PA
Aroclor-1254 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260	CT,NH,NY,NC,ME,VA,PA
Aroclor-1260 [2C]	CT,NH,NY,NC,ME,VA,PA
Aroclor-1262	NH,NY,NC,ME,VA,PA
Aroclor-1262 [2C]	NH,NY,NC,ME,VA,PA
Aroclor-1268	NH,NY,NC,ME,VA,PA
Aroclor-1268 [2C]	NH,NY,NC,ME,VA,PA

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Public Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2021
RI	Rhode Island Department of Health	LAO00112	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

Kkm

20B0201

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Fax: 413-525-6405

Email: info@contestlabs.com



CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

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Client Information		Requester Information		Analysis Requested		Preservation Codes		Container Codes	
Client Name	Client Address	Requester Name	Requester Address	Analysis Requested	Preservation Codes	Container Codes	Matrix Codes	Container Codes	Other
21 Griffin Rd N, Windsor, CT	English Station Parcel A	Carl Stopper	English Station Parcel A	1-Field Filtered	1-Field Filtered	1-Field Filtered	1-Field Filtered	1-Field Filtered	1-Field Filtered
860-298-9692	510A Grand Ave, New Haven, CT	Carl Stopper	English Station Parcel A	2-Field Filtered	2-Field Filtered	2-Field Filtered	2-Field Filtered	2-Field Filtered	2-Field Filtered
Project Location: 510A Grand Ave, New Haven, CT	Project Number: 267951000028.000001	Project Manager: Carl Stopper	Project Number: 267951000028.000001	3-Field Filtered	3-Field Filtered	3-Field Filtered	3-Field Filtered	3-Field Filtered	3-Field Filtered
Con-Test Quote Name/Number: B-20180911 English Station	Invoice Recipient: Carl Stopper	Sampled By: Matt Blumstein	Con-Test Work Order #	4-Field Filtered	4-Field Filtered	4-Field Filtered	4-Field Filtered	4-Field Filtered	4-Field Filtered
Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	Conc Code	Conc Code	Conc Code
1 TRC-AOC-1E-CO-15(0-0.5)	2/4/20	1305							
2 TRC-AOC-1E-CO-16(0-0.5)		1310							
3 TRC-AOC-1E-CO-17(0-0.5)		1315							
4 TRC-AOC-1E-CO-18(0-0.5)		1320							
5 TRC-AOC-1E-CO-19(0-0.5)		1325							
6 TRC-AOC-1E-CO-20(0-0.5)		1330							
7 TRC-AOC-1E-CO-21(0-0.5)		1335							
8 TRC-AOC-1E-CO-22(0-0.5)		1340							
9 TRC-AOC-1E-CO-23(0-0.5)		1341							
10 TRC-AOC-1E-CO-23(0-0.5)		1345							
Comments: TRC-AOC-1E-CO-21(0-0.5) is MS/MSD									
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									
Special Requirements									
MA MCP Required									
MCP Certification Form Required									
CT RCP Required									
RCP Certification Form Required									
MA State DW Required									
PWSID #									
Project Entity									
Government									
Federal									
City									
Municipality									
21 J									
Brownfield									
MWRA									
School									
MBTA									
WRTA									
Chromatogram									
AIHA-LAP, LLC									
NEC and AIHA-LAP, LLC Accredited									
con-test ANALYTICAL LABORATORY www.contestlabs.com									
Relinquished by: (signature)									
Date/Time: 2/5/20 1415									
Received by: (signature)									
Date/Time: 2/5/20 1415									
Relinquished by: (signature)									
Date/Time: 2/5/20 5:20									
Received by: (signature)									
Date/Time: 2/5/20 1720									
Relinquished by: (signature)									
Date/Time: 2/5/20 1720									
Received by: (signature)									
Date/Time: 2/5/20 1720									

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kkm

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ANALYTICAL LABORATORY

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CHAIN OF CUSTODY RECORD

39 Spruce Street
East Longmeadow, MA 01028

Page 4 of 4

Requested Turnaround Time
7-Day ☐ 10-Day ☐

Due Date:

Analysis Requested
1-Day ☐ 3-Day ☒ 4-Day ☐

Data Delivery
Format: PDF ☒ EXCEL ☒ Other:

CLP Like Data Pkg Required: ☐

Email To: Stopper@recompn.es

Fax To #: com

Address: 21 Griffin Rd N, Windsor, CT

Phone: 860-298-9692

Project Location: English Station Parcel A

Project Number: 510A Grand Ave, New Hartford, CT

Project Manager: 263951 000028 00001

Con-Test Quote Name/Number: B-20180911 English Station

Invoice Recipient: Carl Stopper

Sampled By: Matt Blumstein

Con-Test Work Order #	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code
11	TRL-A0C-1E-(0-05)	2/4/20	1350			0	4
12	TRL-A0C-1E-(0-05)		1355			1	4
13	TRL-A0C-1E-(0-05)		1400			1	4
14	EB020420-CD		1545			1	4

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) Matt Blumstein Date/Time: 2/5/20 1415

Received by: (signature) Quail's Cove Date/Time: 2/5/20 1415

Relinquished by: (signature) Quail's Cove Date/Time: 2/5/20 5:20

Received by: (signature) Quail's Cove Date/Time: 2/5/20 5:20

Relinquished by: (signature) Quail's Cove Date/Time: 2/5/20 1720

Received by: (signature) Quail's Cove Date/Time: 2/5/20 1720

Special Requirements

MA MCP Required ☐

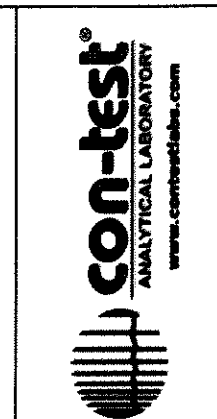
MCP Certification Form Required ☒

CT RCP Required ☒

RCP Certification Form Required ☒

MA State DW Required ☐

PWSID #



Project Entity

Government ☐ Federal ☐ City ☐

Municipality ☐ 21 J ☐ Brownfield ☐

MMWA ☐ School ☐ MBTA ☐

WRTA ☐

Other

Chromatogram ☐

AHA-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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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 TRC

Received By SA Date 2/5 Time 1720

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 # 5 Actual Temp - 4.1
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 Client T Analysis T Sampler Name T

pertinent Information? Project T ID's T Collection Dates/Times T

Are Sample labels filled out and legible? T

Are there Lab to Filters? F

Are there Rushes? T

Are there Short Holds? F

Is there enough Volume? T

Is there Headspace where applicable? NA

Proper Media/Containers Used? T

Were trip blanks received? F

Do all samples have the proper pH?

Who was notified?

Who was notified? Mike

Who was notified?

MS/MSD? F ^{SA} T

Is splitting samples required? F

On COC? F

Acid NA Base NA

Vials	#	Containers:	#		#		#
Unp-		1 Liter Amb.	<u>✓</u>	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	<u>15</u>
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: TRC Environmental Corporation - CT

Project Location: 510A Grand Ave., New Haven, CT

Project Number: 20B0201

Laboratory Sample ID(s):
20B0201-01 thru 20B0201-14

Sample Date(s):
02/04/2020

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:
Position: Technical Representative
Printed Name: Lisa A. Worthington
Date: 02/10/20
Name of Laboratory: Con-Test Analytical Laboratory

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

February 13, 2020

Carl Stopper
TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095

Project Location: 510A Grand Ave., New Haven, CT
Client Job Number:
Project Number: 263951.000028.000001
Laboratory Work Order Number: 20B0447

Enclosed are results of analyses for samples received by the laboratory on February 11, 2020. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Kerry K. McGee". The signature is written in a cursive, flowing style.

Kerry K. McGee
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332TRC Environmental Corporation - CT
21 Griffin Road North
Windsor, CT 06095
ATTN: Carl Stopper

REPORT DATE: 2/13/2020

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 263951.000028.000001

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 20B0447

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

PROJECT LOCATION: 510A Grand Ave., New Haven, CT

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
TRC-AOC-1-CO-01 (0-0.5")	20B0447-01	Concrete		CTDEP ETPH	
TRC-AOC-1-CO-02 (0-0.5")	20B0447-02	Concrete		CTDEP ETPH	
TRC-AOC-1-CO-03 (0-0.5")	20B0447-03	Concrete		CTDEP ETPH	
TRC-AOC-1-CO-04 (0-0.5")	20B0447-04	Concrete		CTDEP ETPH	
TRC-AOC-1-CO-05 (0-0.5")	20B0447-05	Concrete		CTDEP ETPH	
EB021120-CO	20B0447-06	Equipment Blank Water		CTDEP ETPH	

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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.

CTDEP ETPH

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:

2-Fluorobiphenyl

20B0447-01[TRC-AOC-1-CO-01 (0-0.5")], 20B0447-02[TRC-AOC-1-CO-02 (0-0.5")], 20B0447-04[TRC-AOC-1-CO-04 (0-0.5")], 20B0447-05[TRC-AOC-1-CO-05 (0-0.5")]

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light gray rectangular background.

Lisa A. Worthington

Technical Representative

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20B0447

Date Received: 2/11/2020

Field Sample #: TRC-AOC-1-CO-01 (0-0.5")

Sampled: 2/11/2020 11:05

Sample ID: 20B0447-01

Sample Matrix: Concrete

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	17000	4800	mg/Kg	100		CTDEP ETPH	2/11/20	2/12/20 14:03	RDD
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
2-Fluorobiphenyl	*		50-150		S-01			2/12/20 14:03	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20B0447

Date Received: 2/11/2020

Field Sample #: TRC-AOC-1-CO-02 (0-0.5")

Sampled: 2/11/2020 11:10

Sample ID: 20B0447-02

Sample Matrix: Concrete

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	40000	5000	mg/Kg	100		CTDEP ETPH	2/11/20	2/12/20 14:24	RDD
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
2-Fluorobiphenyl	*		50-150		S-01			2/12/20 14:24	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20B0447

Date Received: 2/11/2020

Field Sample #: TRC-AOC-1-CO-03 (0-0.5")

Sampled: 2/11/2020 11:15

Sample ID: 20B0447-03

Sample Matrix: Concrete

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	1800	500	mg/Kg	10		CTDEP ETPH	2/11/20	2/12/20 13:23	RDD
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
2-Fluorobiphenyl	62.6		50-150				2/12/20 13:23		

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20B0447

Date Received: 2/11/2020

Field Sample #: TRC-AOC-1-CO-04 (0-0.5")

Sampled: 2/11/2020 11:20

Sample ID: 20B0447-04

Sample Matrix: Concrete

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	6400	990	mg/Kg	20		CTDEP ETPH	2/11/20	2/12/20 14:03	RDD
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
2-Fluorobiphenyl	*		50-150		S-01			2/12/20 14:03	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20B0447

Date Received: 2/11/2020

Field Sample #: TRC-AOC-1-CO-05 (0-0.5")

Sampled: 2/11/2020 11:25

Sample ID: 20B0447-05

Sample Matrix: Concrete

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	25000	4800	mg/Kg	100		CTDEP ETPH	2/11/20	2/12/20 13:43	RDD
Surrogates	% Recovery		Recovery Limits		Flag/Qual				
2-Fluorobiphenyl	*		50-150		S-01			2/12/20 13:43	

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

Project Location: 510A Grand Ave., New Haven, CT

Sample Description:

Work Order: 20B0447

Date Received: 2/11/2020

Field Sample #: EB021120-CO

Sampled: 2/11/2020 11:45

Sample ID: 20B0447-06

Sample Matrix: Equipment Blank Water

Petroleum Hydrocarbons Analyses

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
CT ETPH	ND	0.15	mg/L	1		CTDEP ETPH	2/11/20	2/12/20 13:03	RDD
Surrogates	% Recovery	Recovery Limits			Flag/Qual				
2-Fluorobiphenyl	82.7	50-150						2/12/20 13:03	

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332**Sample Extraction Data****Prep Method: SW-846 3546-CTDEP ETPH**

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date
20B0447-01 [TRC-AOC-1-CO-01 (0-0.5")]	B252018	6.22	1.00	02/11/20
20B0447-02 [TRC-AOC-1-CO-02 (0-0.5")]	B252018	6.00	1.00	02/11/20
20B0447-03 [TRC-AOC-1-CO-03 (0-0.5")]	B252018	6.00	1.00	02/11/20
20B0447-04 [TRC-AOC-1-CO-04 (0-0.5")]	B252018	6.05	1.00	02/11/20
20B0447-05 [TRC-AOC-1-CO-05 (0-0.5")]	B252018	6.30	1.00	02/11/20

Prep Method: SW-846 3510C-CTDEP ETPH

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
20B0447-06 [EB021120-CO]	B252001	1000	1.00	02/11/20

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

QUALITY CONTROL
Petroleum Hydrocarbons Analyses - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B252001 - SW-846 3510C										
Blank (B252001-BLK1)				Prepared: 02/11/20 Analyzed: 02/12/20						
CT ETPH	ND	0.15	mg/L							
Surrogate: 2-Fluorobiphenyl	0.0904		mg/L	0.100		90.4	50-150			
LCS (B252001-BS1)				Prepared: 02/11/20 Analyzed: 02/12/20						
CT ETPH	0.693	0.15	mg/L	1.00		69.3	60-120			
Surrogate: 2-Fluorobiphenyl	0.0856		mg/L	0.100		85.6	50-150			
LCS Dup (B252001-BSD1)				Prepared: 02/11/20 Analyzed: 02/12/20						
CT ETPH	0.695	0.15	mg/L	1.00		69.5	60-120	0.305	30	
Surrogate: 2-Fluorobiphenyl	0.0818		mg/L	0.100		81.8	50-150			
Batch B252018 - SW-846 3546										
Blank (B252018-BLK1)				Prepared: 02/11/20 Analyzed: 02/12/20						
CT ETPH	ND	50	mg/Kg							
Surrogate: 2-Fluorobiphenyl	13.8		mg/Kg	16.7		82.5	50-150			
LCS (B252018-BS1)				Prepared: 02/11/20 Analyzed: 02/12/20						
CT ETPH	124	50	mg/Kg	167		74.6	60-120			
Surrogate: 2-Fluorobiphenyl	13.2		mg/Kg	16.7		79.1	50-150			
LCS Dup (B252018-BSD1)				Prepared: 02/11/20 Analyzed: 02/12/20						
CT ETPH	124	50	mg/Kg	167		74.2	60-120	0.551	30	
Surrogate: 2-Fluorobiphenyl	13.6		mg/Kg	16.7		81.7	50-150			

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.
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.

CERTIFICATIONS
Certified Analyses included in this Report

Analyte	Certifications
<i>CTDEP ETPH in Soil</i>	
CT ETPH	CT
<i>CTDEP ETPH in Water</i>	
CT ETPH	CT

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

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Public Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2021
RI	Rhode Island Department of Health	LAO00112	12/30/2020
NC	North Carolina Div. of Water Quality	652	12/31/2020
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2020
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

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 TLC

Received By UR Date 2-11-2020 Time 1600

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 - 5.9
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 Client T Analysis T Sampler Name T
pertinent Information? 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? 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.	<u>1</u>	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 <u>5</u>
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:

C:\MSDCHEM\4\DATA\ID021120.SEC\ID0211047.D

CT ETPH DISCRIMINATION CHECK

Data File Name D0211047.D
 Data File Path C:\MSDCHEM\4\DATA\ID021120.SEC\
 Operator RMW
 Date Acquired 2/12/1920 10:03
 Acq. Method File EPH11D.M
 Sample Name ETPH 1500
 Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.61	9808924	11260126	13
C-10	2.26	10197996	11260126	9
C-12	3.19	10814645	11260126	4
C-14	3.91	11233027	11260126	0
C-16	4.52	11457031	11260126	-2
C-18	5.06	11629622	11260126	-3
C-20	5.66	11664964	11260126	-4
C-22	6.40	11674057	11260126	-4
C-24	7.23	11708381	11260126	-4
C-26	8.04	11635058	11260126	-3
C-28	8.78	11676673	11260126	-4
C-30	9.46	11624113	11260126	-3
C-32	10.09	11372631	11260126	-1
C-34	10.69	11333345	11260126	-1
C-36	11.26	11071429	11260126	2

Samples

*One compound allowed %D<=50%

20B0447-06
 20B0447-03@10X
 20B0447-05@100X
 20B0447-01@100X

C:\MSDCHEM\4\DATA\D021120\D0211046.D

CT ETPH DISCRIMINATION CHECK

Data File Name D0211046.D
 Data File Path C:\MSDCHEM\4\DATA\D021120\
 Operator RMW
 Date Acquired 2/12/1920 9:46
 Acq. Method File EPH11D.M
 Sample Name ETPH 1500
 Instrument Name GCFID4

Name	Ret Time	Target Response	Average Response	*%D+/-20
C-9	1.52	7582835	8577058	12
C-10	2.21	7801368	8577058	9
C-12	3.17	8181615	8577058	5
C-14	3.89	8485142	8577058	1
C-16	4.51	8695534	8577058	-1
C-18	5.06	8942095	8577058	-4
C-20	5.67	8972665	8577058	-5
C-22	6.41	9010507	8577058	-5
C-24	7.25	9026647	8577058	-5
C-26	8.06	8940457	8577058	-4
C-28	8.81	8910281	8577058	-4
C-30	9.49	8783737	8577058	-2
C-32	10.13	8553735	8577058	0
C-34	10.73	8485816	8577058	1
C-36	11.31	8283433	8577058	3

Samples

20B0447-04@20X
 20B0447-02@100X

*One compound allowed %D</=50%



REASONABLE CONFIDENCE PROTOCOL LABORATORY ANALYSIS QA/QC CERTIFICATION FORM

Laboratory Name: Con-Test Analytical Laboratory

Client: TRC Environmental Corporation - CT

Project Location: 510A Grand Ave., New Haven, CT

Project Number: 20B0447

Laboratory Sample ID(s):
20B0447-01 thru 20B0447-06

Sample Date(s):
02/11/2020

List RCP Methods Used:

CTDEP ETPH

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:
Position: Technical Representative
Printed Name: Lisa A. Worthington
Date: 02/13/20
Name of Laboratory: Con-Test Analytical Laboratory

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

APPENDIX J

Waste Documentation - Manifests and Bills of Lading

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CTP000033678		2. Page 1 of 1	3. Emergency Response Phone 203-915-2573		4. Manifest Tracking Number 019502175 JJK	
		5. Generator's Name and Mailing Address UNITED ILLUMINATING 180 MARSH HILL ROAD ORANGE, CT 06477 203-926-4585		Generator's Site Address (if different than mailing address) UNITED ILLUMINATING 510A GRAND AVENUE (STATION B) NEW HAVEN, CT 06511				
6. Transporter 1 Company Name ACV ENVIRONMENTAL SERVICES, INC		U.S. EPA ID Number NJD003612047						
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address CYCLE CHEM, INC. 217 SOUTH FIRST STREET ELIZABETH, NJ 07208 Facility's Phone: 908-355-6800		U.S. EPA ID Number NJD002200046						

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		No.	Type					
X	1. UN1268, Waste Petroleum distillates, n.o.s. (Naptha), 3, III	001	DF	3	P	D001		
X	2. UN3086, Waste Paint related material, 3, III	001	DM	75	P	D001		
	3.							
	4.							

14. Special Handling Instructions and Additional Information **D47555 SO 48070 SFSO#U1100018**
1) Profile#109245 LAB PACK #001 2) Profile#109291 LAB PACK #002

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offoror's Printed/Typed Name CARL M. STOPPER (TRC) AS AGENT FOR U.I.		Signature <i>Carl M. Stopper</i>	Month 04	Day 02	Year 2020
--	--	-------------------------------------	--------------------	------------------	---------------------

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):		

17. Transporter Acknowledgment of Receipt of Materials	
Transporter 1 Printed/Typed Name <i>Walter Rivera</i>	Signature <i>Walter Rivera</i>
Transporter 2 Printed/Typed Name	Signature

18. Discrepancy	
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection	
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number	
Facility's Phone:	
18c. Signature of Alternate Facility (or Generator) H061	
Month Day Year	

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)			
1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a	
Printed/Typed Name	Signature
Month Day Year	

HAZARDOUS WASTE

LAW PROHIBITS IMPROPER DISPOSAL. IF FOUND, CONTACT THE NEAREST
OR PUBLIC SAFETY AUTHORITY OR THE U.S. ENVIRONMENTAL PROTECTION
AGENCY.

UN1268, Waste Petroleum distillates, n.o.s. (Naptha), 3 , III

UN1268

D001

Generator: UNITED ILLUMINATING
Address: 510A GRAND AVENUE (STATION B)
NEW HAVEN, CT 06511

EPA ID No. CTP000033579

Manifest: _____

Document: _____

Line No. _____ **Product:**UIK **Process:**UIK **Size:** 5 **Type:** DF **Weight:** _____

Profile: 109248 **Common Name:**LAB PACK #001

No.	Inventory Constituent Name	Note	Waste Codes	Qty	Size	Phase
1	CHARCOAL LIGHTER FLUID		D001	1	1 QT	

Packaged By: Walter River

Signature: Walter River

HAZARDOUS WASTE

LAW PROHIBITS IMPROPER DISPOSAL. IF FOUND, CONTACT THE NEAREST
OR PUBLIC SAFETY AUTHORITY OR THE U.S. ENVIRONMENTAL PROTECTION
AGENCY.

UN3066

UN3066, Waste Paint related material, 8, III

D001

Generator: UNITED ILLUMINATING
Address: 510A GRAND AVENUE (STATION B)
NEW HAVEN, CT 06511

EPA ID No. CTP000033579

Manifest: _____

Document: _____

Line No. _____ Product: UIK/R Process: UIK/R Size: 55 Type: DM Weight: _____

Profile: 109291 Common Name: LAB PACK #002

No.	Inventory Constituent Name	Note	Waste Codes	Qty	Size	Phase
1	PAINT THINNER		D001	1	5 GAL	
2	OIL BASED PAINT		D001	1	1 GAL	
3	BLACK TAR			1	5 GAL	

Packaged By: Walter Pinner

Signature: Walter Pinner